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20**15**
20**16**

VIDEO-DOORPHONE SYSTEMS
BUILDING HOME AUTOMATION
VIDEO SURVEILLANCE

URMET IS IN YOUR LIFE

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Urmet.
Quality Communication and Security.

Urmet S.p.A. designs, develops and manufactures its products in compliance with **UNI EN ISO 9001** standards. This internationally acknowledged certification attests to Urmet's status as a brand leader in the Communication and Security industry and to the all-round quality of its procedures, products and services.

All Urmet products bear the C€ mark.
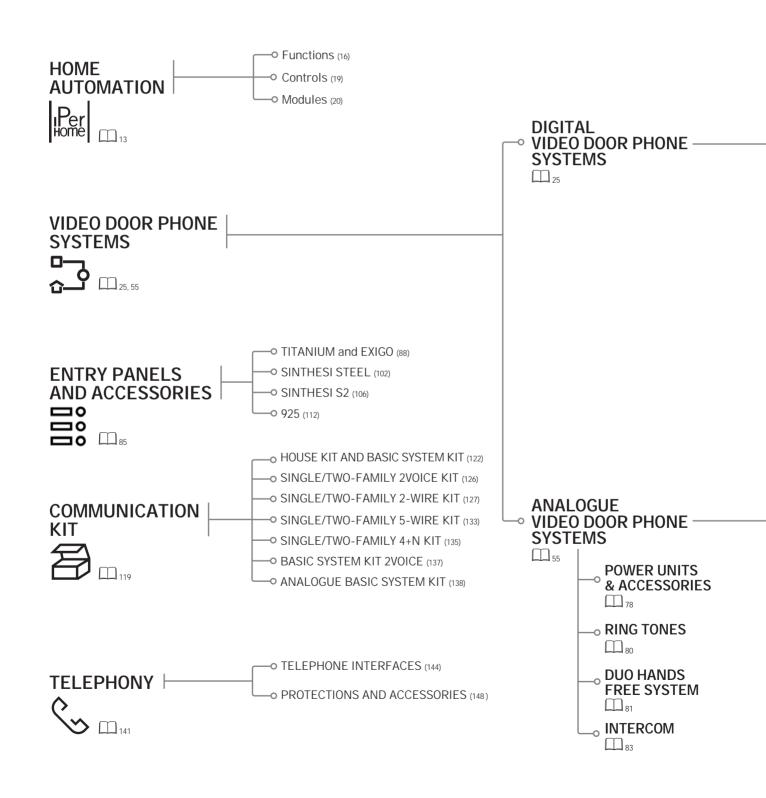
2Voice, IperVoice, IperHome, IperView, Ago, Agorà, Aiko, Arco, Atlantico, BiBus Vop, DigiVoice, Duo, Elekta, Elekta Steel, Exigo, Folio, i-Modo,

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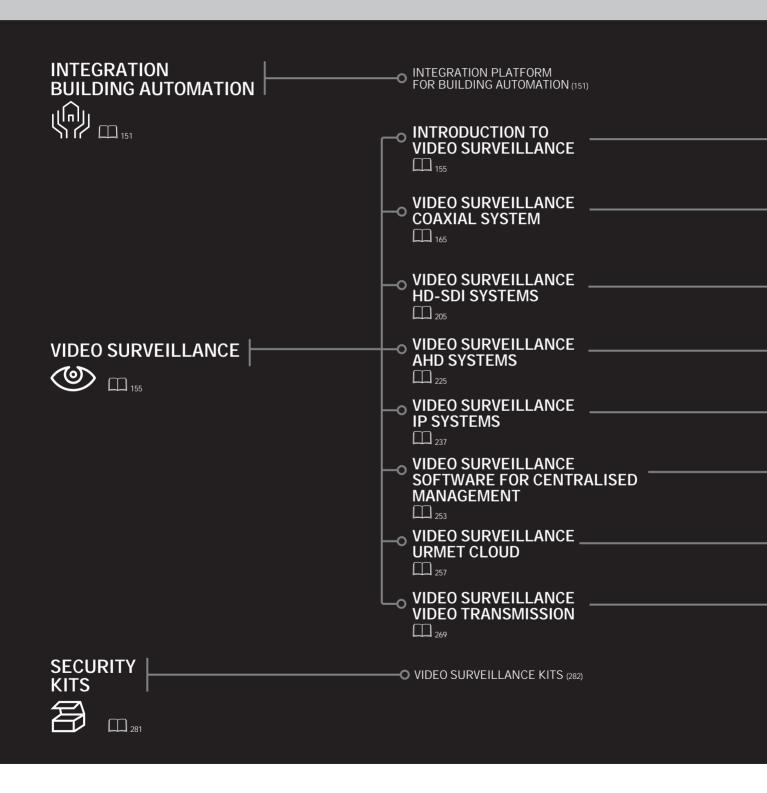
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Urmet Group.
Communication, security energy and automation.
All over the world, in every project.

Urmet Group means integration of expertise and international dimensions, to offer global solutions to its partners. Born in Italy, the Group was able to develop internationally and now it has a significant presence on the world market. Urmet Group designs, develops and markets products and systems in the communication and security sectors, as well as in energy management and saving, telecommunications and building automation. In Italy it is a leader brand for video door phone systems, telephone systems, automation applications and access control systems, professional intrusion alarm systems, fire alarm and video surveillance systems and for home & building automation; from private homes to town redevelopment planning, up to large public infrastructures Urmet Group offers a complete range of products and services, aiming at being a global partner for its full and thorough know-how, industrial skills, product quality and service efficiency.

SYSTEMS FOR INTEGRATED COMMUNICATION AND SECURITY

Systems and products for video door phone, intrusion alarm, access control, fire alarm, video surveillance, wiring systems.

SYSTEMS FOR ENERGY MANAGEMENT AND SAVING

Heat metering and management systems; renewable energy

TELECOMMUNI-CATION SYSTEMS AND SOLUTIONS

Terminals, Telemetry Systems, Road Lighting, Public Telephone Network Systems, Heat Exchangers, Transport, Remote Management Systems.

SYSTEMS AND PRODUCTS FOR BUILDING AUTOMATION

Advanced building automation systems, multi-purpose systems, electronic modules for the automation of electric systems and implementation of multi-controls and centralisations

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URMET IS IN YOUR LIFE

Urmet.
In everybody's life.
Every day.

Urmet is an Italian company established in 1937. It designs, develops and sells building automation products and systems. A Communication, Security and Building Automation specialist, the company stands out for its flair for innovation and for the

development of kits that speed up installation and simplify function management, for residential, office and industrial buildings. The broad range of products provides an exhaustive choice of technological and aesthetic solutions. Home Automation,

Door Phone and Video Door Phone Systems, Telephony, Room Control, Professional Intrusion Alarm, Video Surveillance and Fire Alarm systems: solutions for every industry, developed in line with market demands.
Urmet has an extensive and

reliable service network. Italian Customers enjoy the benefits of Urmet's Sales and Service network, which has a widespread presence on the territory, with an extensive network of sales agents and Service centres.

COMMUNICATING

Technological solutions for Home Automation, Door Phone, Video Door Phone and Telephony systems.

PROTECTING

Intrusion Alarm, Fire Alarm and Video Surveillance systems and devices.

MANAGING

Building automation and remote control solutions for communication and security systems.

KITS

Ready solutions to meet Communication and Security needs.

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Pre-sales and after-sales services

SALES NETWORK

Urmet accompanies its customers in all their working phases, from the choice of the best solution to assistance in guaranteeing a complete and accurate service. The sales network is diffused all over the national territory. Urmet customer service responds in real time to doubts or installation needs and the Service Centres are specialised so as to assure competent and punctual support.

Software

DOMUS DRAW

An **automatic quoting**, system, with a simple interface allows to visualise and choose the components of the installation and to obtain the quote in just one click. A practical, useful and always updated tool.

DOC PROGET

This Urmet software has been thought for those who need to design door phone or video door phone systems: all you need is to specify the required system and the number of users and Doc Proget will **supply all the specifications with the complete solutions of the required components**.

Technical documentation
TECHNICAL HANDBOOKS

Technical data, equipment and installation systems: a collection of all data indispensable for work. An effective support for study and widening possibilities.

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Web

www.urmet.com

The Urmet website has been thought as a valid work support which helps the designer, the wholesaler and the installer in finding all technical data useful to their work. Moreover, a wide space for images and the presentation of the new products permits customers and architects to always be updated on the evolution of the product range.

www.cloud.urmet.com

The future of video surveillance is on the cloud! Urmet Cloud allows to control your house, shop and office easily and quickly: cameras connect to the Wi-Fi network available at the installation site with no need of router configuration; through Urmet Cloud portal and app, available for Apple® iOS™ and Google® Android™, it is possible to register your cameras and check them through a single user account from smartphone, tablet and PC. And with the new hNVR it is possible to increase the recording capacity of the cameras.

www.myurmethome.com

My Urmet Home allows to use your smartphone or tablet to have full control on your theft alarm. You can display the status of your system and activate or deactivate it totally or partially. And, in addition to intrusion alarm, video surveillance as well! With My Urmet Home you can access the images of surveillance cameras connected to your Urmet control unit 1067.

www.iperhome.com

IPerHome is the home automation system where all technological know-how of Urmet Group merges, integrating video door phone, video surveillance, intrusion alarm, gas and smoke detector system, automation, energy saving system, audio system and Internet connectivity. It is possible to register your server and access the control interface of your system through IPerHome portal.

www.yokis.com

The range of Yokis digital modules allows to design multi-controls and centralisations for lights and shutters with no two-way switch, inverter or home automation system, using only electric cable and wall-mounted pushbuttons. Yokis modules communicate via radio or driver wire built with a standard cable. Programming is achieved with standard buttons, with the possibility to easily create customised scenarios and settings at low cost for end customers.

NEWSLETTER

Product novelties, events, promotions and courses: **the voice from the Urmet world** for a continuous updating on the Group's offers. To receive the newsletter, please register to www.urmet.com.

Training

COURSES

Meetings to present novelties, courses on new systems and products - opportunities to develop direct contacts with clients and furnish answers to their needs.

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The 2Voice developments

2Voice renews itself and now it is even more convenient. The new Mìro monitor, in video and audio-only version, increases the design style range and makes the choice of 2Voice more convenient to create audio systems, also thanks to a new door phone system basic kit.

NEW
AT URMET:
NEW MONITORS
AND KITS FOR 2VOICE,
CLOUD
VIDEO SURVEILLANCE

The new Mìro monitor

Mìro is the new Urmet indoor station available in video, audio and hands free versions that allows to exploit the 2Voice system to its full potential, also for audio or mixed systems. The cost of the audio version, in fact, makes the choice of the digital technology more convenient, also for door phone systems, with the advantage of shifting to video door phones without having to reconfigure the entire system. Besides the three standard buttons for ancillary services and the presetting for people with hearing aids, Mìro video version features a wide 4.3″ colour display.

The new 2Voice kits

The 1183/502 2Voice audio kit includes two Mìro intercom units, a 2Voice power unit, and a Sinthesi S2 entry panel. It is a perfect and cost-effective basic kit for door phone systems, but it easily allows to expand the system, since it permits to shift to a video door phone system only by using 2 non-polarised 2Voice wires, already supplied. The 1783/703 kit features a power unit and a Sinthesi S2 entry panel with digital call module; it is the simplest and most versatile solution to have a modern 2Voice system, allowing customers and installers to choose the terminals. The new single and two-flat colour kits offer the new Mìro in combination with the Sinthesi S2 entry panel. Perfect for single and multi-family houses.

Prodel artistic entry panels

The artistic entry panels manufactured by Prodel S.r.l., an Urmet Group company specialised in this type of products, are ideal for antique buildings, valuable houses, single and two-family homes where it is necessary to achieve a high-class design style, keeping all the functions of Urmet video door phone systems

2VOICE
The system preferred by the installers
Pag. 29

MIRO
The beautiful, versatile and cost-effective monitor
Pag. 35

2VOICE KIT
Quality and convenience in one box
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EXIGO / TITANIUM
The combination of style and technology
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The Cloud video surveillance

With Urmet Cloud you can control your home, shop, office or company from anywhere in the world, through PC, PDA or smartphone. You can achieve great results in terms of security at a low cost. Thanks to Urmet Cloud you can register your cameras to be able to check images at any time and from anywhere, through a single user profile, from PC, smartphone, tablet and smart TV!

CCTV news: AHD, IP and UVS

Urmet's CCTV new range includes analogue and IP products in standard definition and HD and has been designed to offer installers and customers more features and more services. Thanks to P2P and DDNS functions, it is easy to connect DVRs and camera units to the network to allow their control through UVS software: a unified platform for video surveillance systems management.

Building automation

Sinthesi S2 is Urmet's new modular entry panel with a new design, improved-quality finishes and a revisited aesthetic impact featuring cleaner and more outstanding features. With Sinthesi S2, Urmet revamps the most well-known and appreciated entry panel on the market, improving its functionality and performance. The innovative and stylish finishing of this aluminium entry panel lends it a more refined look, while the colour camera units and the new module range now offer a wider range of technical features to choose from.

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VIDEO SURVEILLANCE

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Video surveillance
in mobile mode
Pag. 257

CCTV
Superior
by definition
Pag. 155

IPERHOME
A house living
with the people inhabiting it
Pag. 13

* Please contact our sales network to verify product availability.

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HOME AUTOMATION
THE URMET'S WAY

Communication, security and cost-efficiency within a single modular and flexible system.

IPerHome offers more comfort, functionality, control and cost-efficiency.

MORE QUALITY TO YOUR LIFE

Comfortable, safe, smart. With IPerHome, your house will simplify your life, adjusting to every moment, every day, every season. IPerHome improves the quality of your life by improving the efficiency of the energy systems and allowing their remote control.

TECHNOLOGY AT YOUR SERVICE

IPerHome perfectly integrates communication systems, security and cost-efficiency. With IPerHome, your systems will communicate to adapt to your routine, to protect your family and give you more comfort.

A SMART AND SCALABLE SYSTEM

IPerHome is a modular system, as it works without control units and makes you implement, change and widen your system's functionalities whenever you need, without having to operate on the system's architecture or to modify the wiring. This brings four great advantages:

- low installation cost
- implementation of the necessary functions only
- no building works for further modifications
- higher reliability, thanks to the independence and autonomy of every component.

OUR BEST FOR YOUR ENERGY SAVING

IPerHome makes you reach the highest performances defined by the CEI 64-8 and EN15232 regulations, making you save up to 26% for heating and conditioning systems, and up to 15% for the electric consumption.

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New horizons and many possibilities for the design, installation and use of technological systems.

Easy to design, re-design, install, modify and use.

A SYSTEM BASED ON A SINGLE WIRING

The IPerHome devices are linked to a field bus that may be composed by different wiring types.

COMPATIBLE WITH THE MOST COMMON WIRING SYSTEMS

All the devices composing IPerHome are placed in flush-mounting boxes, junction boxes or electric panels, and they can be combined to standard buttons, control devices and sockets. This is why IPerHome is compatible with the wiring systems of the leading manufacturers.

URMET VIDEO-DOORPHONES ON BOARD

The digital video-doorphones 2Voice and IPerVoice are designed to be combined with the IPerHome system. Their integration is simple and just as efficient as the top quality communication and security services that we offer to our clients.

INTEGRATION WITH THE SECURITY SYSTEMS

IPerHome can easily control the Urmet 1067, Elkron MP500 safety systems, and many more from the leading manufacturers.

IN COMPLIANCE WITH THE HBES REGULATIONS

The IPerHome output modules are designed in compliance with the technical regulations of the European Committee for Electronic Standardization for HBES systems (Home and Building Electronic Systems), and in particular to regulations EN 50428, EN 60669-2-1 and EN 60699-1.

IPERHOME: FUNCTIONS

01.

Lights and sockets automation

To turn on or off the external and internal lights, the power sources of the sockets and the lights of the rooms depending on external conditions.

02.

Shutters automation

To control the opening and closing of shutters and blinds.

03.

Light intensity adjustment

To adjust the light intensity for any kind of lamp (directly or in programmed mode) thanks to a module that interfaces to many of the different dimmer types available.

04.

Electric load control

To control at any time the activation of the electric loads. This function can be programmed and timed.

05.

Thermoregulation

A split management of the heating and conditioning systems provides the optimal temperature any time to every room.

06.

Metering of energy consumption

It is possible to check the instant consumptions of gas, water and electricity.

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07.
Digital video-doorphones

To connect the digital video-doorphones Urmet 2Voice and IPerVoice, and to benefit of all the services they imply.

08.
Intrusion alarm

IT is possible to connect the intrusion alarm, to manage and control its function remotely, and to programme it depending on the temporary environmental parameters.

09.
Video surveillance

To manage the surveillance cameras and view the images also remotely.

10.
Remote control

IPerHome can be connected to the Internet, to manage and set the functions from a PC, tablet, smartphone and smart TV through a simple web browser.

11.
Music library management

You can store and play your favourite tracks and play lists through an audio system connected to the IPerHome server. Your tracks can be stored on a NAS linked to the home network, or on the hard disk of a Server Pro.

12.
Technological alarms management

To receive an e-mail or SMS notification in case of a malfunction of one of the devices managed by IPerHome or in case of faults in the water, power, gas and other supplies.

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IPERHOME:
FUNCTIONS

Your house revolves around you.

IPerHome lets you set up the combined functioning of the devices controlled by the system to create your scenarios: from lights and appliances to the opening or closing of shutters and blinds; from the activation of conditioning system to the control of the security ones, like video surveillance and intrusion alarms. The scenarios can be activated as follows:

> **Locally**:   in case you don't have an IPerHome server, during the installation you can create fixed scenarios to activate through wall buttons or control monitors.
> **Remotely**: using an IPerHome service and the interaction interface, you will be able to modify the settings through any fixed or mobile device connected to a web browser.

These are some of the scenarios you will be able to create:

SCENARIO 1	SCENARIO 2	SCENARIO 3	SCENARIO 4
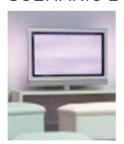
Good morning
Before you wake up, the system turns off the external lighting and sets climate control in the bathroom and kitchen; opens the shutters in the living area of the house and, after a few minutes, even the ones in the bedroom area. Power sockets of the coffee machine and TV in the kitchen are powered on. The perimeter intrusion alarm system is disabled.

Cinema
The system turns off the lights in the bedroom area, powers on the home-theatre system, lights in the living room are soft and cosy; shutters close and perimeter security system is armed. The climate control system sets the right temperature according to the weather.

Party
You go out: the system closes the shutters, the intrusion alarm system is on in perimeter and volumetric mode, lights are off and all electric items, except the fridge and the freezer, are powered off. The system arms external video surveillance and the internet connection that will allow you to check room and system status.

Good night
The climate control system for the bedroom area of the house is specially set. The system closes the shutters, turns the lights off except, until a certain time and with a low intensity, the ones in the bedroom. The intrusion alarm system is armed in perimeter mode. The system starts the operating cycles of washing machine and dishwasher.

CONTROL

Local control of the system

Wall controls: simplicity at one click

It's easy to control IPerHome thanks to the normal buttons and wall control devices. A click is all it takes to activate a scenario, to modify the conditioning settings or to turn on and dim the lights. IPerHome is compatible with most of the wiring systems

available on the market. Together with Simon Urmet's Nea system, it is possible to have elegant blue LED buttons that indicate the state of the associated function.

Monitor control: more powerful, more extended.

An Urmet Modo or i-Modo monitor will make your IPerHome experience even more enjoying. The graphic interface is simple and intuitive. Moreover, besides the useful functionalities of the Urmet video-doorphones, the monitor offers the possibility

of controlling the energetic consumptions, the video surveillance and to manage the system through a map of the house.

Remote control

For PC, smartphone, tablet and smart TV.

By connecting the IPerHome server to the Internet, you will be able to control your system wherever you are. The IPerHome software allows control via Internet browser, and therefore guarantees universal compatibility, with

non-up-to-date devices as well. All functions of your IPerHome system are thus available through PC, tablet, smartphone and smart TV, via the web browser installed on the device used to establish the connection.

Your house at a click of the mouse.

To enable the remote control, you can register a third-level domain namesurname.iperhome.com. By browsing this address, you will access

the system and the remote control through a safe and coded connection.

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IPERHOME MODULES

1071/18

1071/17

1071/7

1071/11

1071/12

1071/13

1071/14

INPUT MODULES	
1071/18 📷	**Module for eight control switches:** the module detects the activation or deactivation of the wall switches, and sends the signal to the output modules through the bus. Each module of this kind connects eight switches (or four double-function switches), and thanks to its small size it can be installed in a three or four-module flush-mounting box, or to a 2.3 inches diameter one. Dimensions (W x H x D) in inches: 1.5 x 1.1 x 0.5 - rated CUs: 1
1071/17 📷	**Notification LED:** in case you are using the Simon Urmet's Nea wiring system buttons, you can use this device to receive from the switch a LED notification about the state of the system.
1071/7 📷	**Seven-input module for consumption analysis:** it connects seven switches, sensors or consumption detectors (or four of them, three of which with a double function) with an opto-isolated output, in compliance with the EN62053-21 standards. The module can connect to up to four detectors. A single module can therefore analyse the consumptions of electricity, water, gas, etc. To view the instant or definitive consumption data, it is necessary to connect an Urmet Modo or iModo monitor or an IPerHome server to the system, thus allowing the PC, tablet, smartphone and smart TV connection. Dimensions (W x H x D) in inches: 1.4 x 2.2 x 3.5 - rated CUs: 3 - DIN modules: 2

RELAY OUTPUT MODULES	
1071/11 📷	**Single-output module 16A:** a compact relay module that can be installed in three or four-module boxes, or in 2.3-inches ones, as well as in junction boxes. It features two supplementary local inputs to control the relay in step mode. Dimensions (W x H x D) in inches: 2.8 x 2.3 x 0.9 - rated CUs: 2.5
1071/12 📷	**Double-output module 16A:** the two-relay module can be installed in four-module flush-mounting boxes or in junction boxes. It can be used to manage two devices or to interrupt phase and neutral towards a single appliance. It features four local inputs to control the two relay in step mode. Dimensions (W x H x D) in inches: 3.9 x 2.5 x 1.1 - rated CUs: 4
1071/13 📷	**Generic four-output module:** it is provided with four potential free relay contacts. It allows to control 230 Vac and low-voltage loads. In the first case, it can disconnect phase and neutral at the same time. Dimensions (W x H x D) in inches: 2.8 x 2.2 x 3.5 - rated CUs: 6 - DIN modules: 4
1071/14 📷	**Four outputs disconnector module:** it is similar to the 1071/13, but it was designed to distribute the (solid) neutral wire on four outputs and the phase towards four different loads through four 16A disconnecting relays. Input neutral and phase come from a single magnetothermic switch. Dimensions (W x H x D) in inches: 2.8 x 2.2 x 3.5 - rated CUs: 6 - DIN modules: 4

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LIGHT DIMMING AND SHUTTERS CONTROL

1071/15 📷   **Dimmer control module 0/1-10V:**
this module is provided with four analogue 0/1-10V outputs, and it allows to control up to four dimmers of the most common modules, fitting different types of lights (fluorescent, incandescent, energy-saving, LED-types, etc.).
Dimensions (W x H x D) in inches: 1.4 x 2.2 x 3.5 - rated CUs: 2.5 - DIN modules: 2

1071/42 📷   **Two-motor DIN module:**
it can be installed on a DIN bar to manage two different motors. It receives phase and neutral from a magnetothermic switch, and manages every motor through three cables, controlling their interlocking.
Dimensions (W x H x D) in inches: 2.8 x 2.2 x 3.5 - rated CUs: 3.5 - DIN modules: 4

1071/43 📷   **Single motor module:**
the module can be installed in the box instead of the DIN bar, and controls only one motor. It is equipped with two local control inputs that manage the motor in two directions and command its locking.
Dimensions (W x H x D) in inches: 2.8 x 2.3 x 0.9 - rated CUs: 2.5

1071/44 📷   **Two-motor module:**
it is similar to module 1071/42, but it can be installed in the motor box instead of the DIN bar. It is equipped with two inputs for each motor, to obtain the two-direction local management. It controls the locking.
Dimensions (W x H x D) in inches: 3.9 x 2.5 x 1.1 - rated CUs: 4

1071/15

1071/42

1071/43

1071/44

THERMOREGULATION

1071/31 📷   **Temperature regulator:**
it is similar to a programmable thermostat, it can be installed on three-module boxes and it is compatible with Simon Urmet's Nea wiring system, and with many of the most common wiring systems available on the market through specific adaptors. It allows to programme the time of activation of the conditioning system. The module connects through the bus to the temperature sensors, which in turn control the activation of the output modules linked to boiler, solenoid valves, pumps and air conditioners.
Dimensions (W x H x D) in inches: 2.5 x 1.7 x 1.9 - rated CUs: 1

1071/32 📷   **Temperature sensor:**
compatible with Simon Urmet's Nea series, and with the most common ones. It measures the environment temperature in real time, and activates or deactivates heating and conditioning systems according to the set parameters. It sets a reference temperature for every hour and day of the week level through the regulator, choosing among:

> Night time
> Day time
> Comfort

It is possible to activate manually a specific function mode. If these devices are installed, programming and functioning will be managed through the 1071/31 regulator, or the graphic interface provided by the IPerHome server.
Dimensions (W x H x D) in inches: 0.8 x 1.5 x 1.9 - rated CUs: 0.5

1071/31

1071/32

IPERHOME MODULES

1071/20

1071/55

1071/56

1071/62

INTERFACE AND POWER SUPPLY		
1071/20		**Power supplier:** accepts an input voltage of 100-240 Vac, and is installed on the DIN bar. It supplies 100 (unit loads) CUs. Each module absorbs a given amount of CUs. If the total absorption of the modules exceeds the maximum capability of the power supply, it is possible to install auxiliary power units. Dimensions (W x H x D) in mm: 78 x 56 x 93 - DIN modules: 4.5
1071/55		**Modo interface:** it connects to the Urmet Modo monitor to integrate Urmet's digital video-doorphones to IPerHome. The installation of this device will let you use the video door phone monitor to: > Activate the scenarios through a simple and intuitive interface > Manage the alarm signals sent to the Modo monitor and, if any, to the telephone exchange > View the instant energetic consumptions of the energy meters connected to the 1071/7 modules Dimensions (W x H x D) in mm: 40 x 30 x 14 - rated CUs: 0.5
1071/56		**Bus interface configuration tool:** is installed in the electric panel, and is equipped with a USB port to connect to the PC. By installing the IPerSet software on the PC, it will be possible to set up the entire system. It works as an interface between the bus and the server (if any) Dimensions (W x H x D) in mm: 36 x 58 x 90 - rated CUs: 1 - DIN modules: 2
1071/62		**Intrusion alarm interface:** through an RS485 interface, it lets you connect the Urmet 1067 and Elkron MP504 and MP508 system to the server (if installed). In this way, intrusion alarm and IPerHome will be perfectly integrated, and it will be possible to control the state of the systems through an iModo monitor or a local or remote terminal. Dimensions (W x H x D) in mm: 109 x 91 x 30
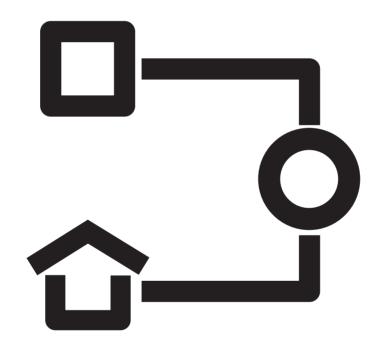
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SERVER AND MONITOR

1071/3   📷   **Basic Server:**
the first server to introduce you to the IPerHome advanced functions.
It can be installed on a DIN bar as well. It can be linked to IPerBus through the module 1071/56, and to the intrusion alarm control unit through the 1071/62 module. It allows to:

> Connect the system to the Internet, thus enabling the remote control
> Manage the video surveillance camera in snapshot mode
> Manage the music libraries uploaded on the NAS
> Manage 100 points, 3 maps, 8 scenarios
> Connect up to 2 users at the same time
Dimensions (W x H x D) in inches: 2.5 x 4.4 x 1.3 - DIN modules: 4

1071/3

1071/4   📷   **Server Pro:**
it is a fanless PC with Atom processor and Windows operative system. It connects to the IPerBus through the 1071/56 module, and to the intrusion alarm control unit through the 1071/62 one. The server can be installed also on the DIN bar. It offers all the Server Basic advantages, plus:

> Management of the graphic maps
> Management of more scenarios and controls at the same time
> Management of two more bus besides IPerBus
> Data storage hard disk
> Management of 600 points, 8 maps, 48 scenarios
> Up to 4 users connected at the same time
> Bus managed: IPerBus, KNX, Dali, Modbus TCP, Modbus RTU, IRTrans, Lutron
> Program the scripts and ad hoc macros developed by Urmet technicians
> Perform the programming through scripting
Dimensions (W x H x D) in inches: 6.6 x 1.5 x 4.3 - DIN modules: 5

1071/4

1717/12H   📷   **Modo 2Voice:**
A 7" screen, touch-screen interface is the perfect accessory to complete Urmet's digital video-doorphones 2Voice and IPerVoice. If associated to IPerHome, it allows a quick activation of the scenarios and the displaying of the technological alarms.
Dimensions (W x H x D) in inches: 8.6 x 5.0 x 1.3

1717/12H

1717/2   📷   **i-Modo IperVoice:**
IP technology monitor, 7" screen, Wi-Fi connectivity, touch-screen interface and exceptional multimedia functionality. i-Modo is pure communication freedom, ultimate image quality, safety and comfort as it allows to manage the video surveillance and lift systems all-in-one.
Dimensions (W x H x D) in inches: 8.8 x 5.2 x 1.3

1717/2

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2VOICE
IPERVOICE

DIGITAL VIDEO-DOORPHONE
S Y S T E M S

SYSTEM GUIDE

SYSTEMS WITH A LOW NUMBER OF WIRES

2Voice pag. 29	IPerVoice pag. 43	IPerVoice full IP pag. 46
Advantages and applications: Two non-polarised wires THROUGHOUT for quick and easy installation. Ideal for villas and large residential complexes alike: 4 main entrances, 32 risers, 128 users per riser column for a total of 4096 users. Free intercom function with four monitors in parallel, integral video surveillance, second entrance management.	**Advantages and applications:** Maximum extension: no limit to the number of users, riser columns, switchboards and conversations. Optical-fibre-ready. Ideal for large residential compounds with high integration needs (access control, switchboards, intrusion alarm systems, video surveillance systems, intercom systems). Self-diagnostic system for checking system state.	
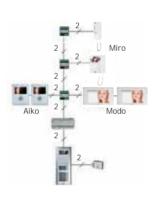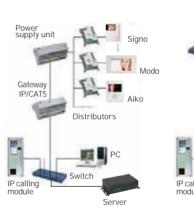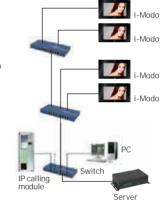
COMPARISON TABLE			
No. of users	4096	No limit	No limit
Distance between call module and apartment station	1000 m	YES	YES
Mixed audio/video	YES	YES	YES
Conversation privacy	YES	YES	YES
Intercom function	YES	YES	YES
Main/secondary doors	4 main + (32x2) secondary	No limit	No limit
Access control integration	YES	YES	YES
Connection options PABX	YES	NO	NO
Compatibility with video surveillance system	YES	YES	YES
Technological alarm compatibility	NO	YES	YES
Switchboard	YES (1)	YES (No limit)	YES (No limit)
Use of existing wiring	YES	NO	NO
Wire	1083/90 (not mandatory)	1039/90 (not mandatory)	--
Kit	1783 SERIES	NO	NO

APPLICAZIONI			
Small systems	YES	NO	YES
Medium systems	YES	YES	YES
Large systems	NO	YES	YES

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COMPATIBILITY TABLE
APARTMENT STATIONS / ENTRY PANELS

SYSTEMS WITH A LOW NUMBER OF WIRES

		2Voice	IPerVoice
i-MODO		NO	YES
MODO cod. 1717		YES	YES
AIKO cod. 1716		YES	YES
FOLIO cod. 1706		YES	YES
HANDS FREE MIRO cod. 1750		YES	YES
MIRO cod. 1750-1150		YES	NO
SIGNO cod. 1740		NO	YES

SYSTEMS WITH A LOW NUMBER OF WIRES

		2Voice	IPerVoice
ELEKTA STEEL		YES cod. 1083/16	YES cod. 1039/18
ELEKTA		YES cod. 1083/15	YES cod. 1039/13
EXIGO	EXIGO DIGITAL	YES	YES
TITANIUM		YES	YES
SINTHESI STEEL cod. 1155-1755		YES	YES
SINTHESI S2 cod. 1148-1748		YES	YES
925 cod. 925		YES	NO

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|2| voice

2 WIRES EVERYWHERE
ADVANTAGES ANY WAY YOU LOOK AT IT

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2 wires anywhere. **128** users per riser. **2** outdoor stations per riser.
32 risers. **4.096** users. **4** main common entries. Up to **1.000**-metre distance
between outdoor and indoor station. **200**-metre distance between power unit and
indoor station. **2.400**-metre extension in the common section. **800**-metre extension
at each riser. **4** parallel connected indoor stations (monitors and/or doorphones).
Security cameras per outdoor station. **2** entries managed from a single outdoor
station. **No need** to replace cables in renovations.
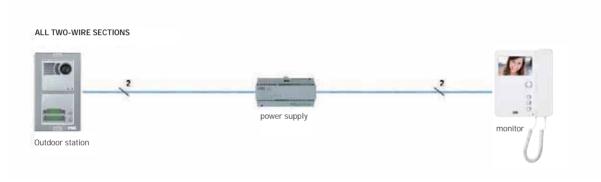
Ideal for

> Villas with communication and security needs

> Renovations

> Complexes with up to 4,096 users

2VOICE: A NUMBER 1 HIT
WITH JUST 2 WIRES

Simple and high performance

The non-polarized two-wire video-doorphone system with the highest performance in the category.

ALL TWO-WIRE SECTIONS

power supply

monitor

Outdoor station

The advantages

FROM VILLAS TO LARGE RESIDENTIAL COMPLEXES

A perfect system for installations of all sizes: from villas, to apartment buildings, through to detached home complexes and large multi-building residential complexes.

PERFECT FOR RENOVATIONS

Uses existing wiring: faster work and possibility of installing innovative, integrated technology solutions also in antique buildings, with no need for masonry work.

ADVANTAGES FOR INSTALLER AND USER

Unparalleled ease of installation, can't-go-wrong concept, fast maintenance (even with installation live); no service interruption in the event of a short-circuit as branch protection keeps riser operating.

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Few components, plenty of functions

WHAT DO YOU NEED?

2 non-polarized wires and as little as 3 devices:
> EXPANDABLE INSTALLATION BASE KIT
> DISTRIBUTOR
> INDOOR STATION

WHAT DO YOU GET?

> 9 MIXED AUDIO/VIDEO SYSTEM WITH ANALOGUE COLOUR CAMERA
> INTEGRATED CCTV
> FREE INTERCOM
> ADDITIONAL SERVICES (SUCH AS STAIRCASE LIGHT CONTROL) WITH NO ADDITIONAL WIRING
> ADDITIONAL RESIDENT CONTROLLED OUTPUTS TO CONTROL AUXILARY DEVICES

Easy to install and programme

2 WIRES EVERYWHERE, NOTHING MORE

Both for standard video-doorphone and additional functions:
intercom, exchange or staircase light control.

SIMPLIFIED PROGRAMMING

Associated user names and codes from the key panel is quick and easy:
thanks to a simple dedicated software, all you need to do is enter home-owner names
and send the information to the directory module via Bluetooth.

The dip-switches fitted in each device
immediately associate addresses
to individual users.

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2VOICE: LOADS OF FUNCTIONS
THAT ARE REALLY USEFUL TO CUSTOMERS

Communication and security in a single system

INTERCOM

> Up to four parallel connected monitors per apartment with free intercom.
> Multiple wiring configurations; series, star or mixed.
> Wide communication links point to point for the indoor stations whether or not they
  are within the same apartment.

EXCHANGE

> Calls from outdoor station can be taken at the concierge lodge and transferred
  to individual indoor stations.
> Users can call exchange at any time.
> Call transfer to cordless phones.

VIDEO SURVEILLANCE

> **2Voice** can turn the video-doorphone system into a video surveillance system.
> Two cameras can be connected immediately to the system.
> Handles up to maximum 5 cameras when a video switcher is added.
> Image from individual cameras can be viewed directly in the apartment
  on the doorphone monitor.

DOOR ALARM WARNING

> A light indicator on the video-doorphone indicates when the entry door
  was not closed properly [function can be disabled].

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SECOND ENTRY CONTROL

> **2Voice** outdoor station incorporates a relay that can be used to operate a driveway gate or a second entry, and can be controlled remotely from the indoor stations.

ADDITIONAL SERVICES

> The system can be equipped with an additional service with no need to add any devices, such staircase or outside stairs light control, garden irrigation system or any other desired service.

TONE SELECTION

> All **2Voice** indoor stations provide call volume control.
> The Mute function turns off audio and muted mode is indicated on the device.
> Broad choice of tones and ring tones that can be associated to different call types (floor call, call from exchange or outdoor station).

TELEPHONY

> Possibility to interface with a Pabx or telephones, even wireless, wireless telephones in the apartement.

DESIGN
AND VERSATILITY

The Urmet apartment unit range is the most complete and flexible on the market, offering a wide variety of doorphone styles and monitors, all compatible with analogue and digital systems. Technology and design are key in the development of all new products: like the new

Modo and **Aiko** hands-free devices and the new **Folio** soft-touch version, for technology suited to all styles.

Urmet develop its new products with hearing aid compatibility in mind. t-Modo, i-Modo, Modo, Aiko, Folio and Signo can emit

electromagnetic waves that can be detected by hearing aids. These devices are compatible with all induction loop antennas for hearing aids (ETS 300381 and EN 60118 standards).

SOLUTIONS FOR ALL DÉCOR STYLES:
TOP QUALITY
LUXURY
HOME

URMET APARTMENT STATIONS:
FREE TO CHOOSE.

MODO

i2

Audio/video settings
Present/absent
Main door open
Secondary door open
Mute on
Door opener
Display
Show other cameras
Mute
Communication on
Video doorphone message
4:3/16:9 ration switch
Secondary Door Opener
Main Door Opener

MAIN FEAUTURES

> 7" COLOUR DISPLAY WITH TOUCH-SCREEN MENU
> UNLIMITED INTERCOM CALLS FROM VIRTUAL KEYPAD ON SCREEN
> UNLIMITED ACTIVATIONS USING VIRTUAL KEYPAD
> POSSIBILITY OF CALLING SEVERAL SWITCHBOARDS OR MANNED STATIONS
> MANAGEMENT OF TWO ELECTRIC LOCKS
> SELECTABLE RING TONES
> SURVEILLANCE CAMERA SCAN CYCLE
> MAILBOX QUERY FUNCTION
> AUTOMATIC DOOR OPENER FUNCTION
> MUTE FUNCTION WITH LED INDICATOR
> AUDIO BY MEANS OF TWO SPEAKERS

AIKO

i2

Microphone
Mute on
Automatic door opening function on
Video doorphone message
At home/Away
Main door open
Secondary door open
Door opener
Joypad
Call switchboard
Open door 2
Mute
Display
Audio button
Auto power-on

MAIN FEAUTURES

> 4.3" COLOUR MONITOR OSD (ON SCREEN DISPLAY) FUNCTION WITH COMMAND DISPLAY
> SOFT-TOUCH TECHNOLOGY
> MANAGEMENT OF UP TO 8 INTERCOM CALLS WITH OSD MENU
> QUALITY MATERIALS
> WALL MOUNTED WITH FLUSH-MOUNTING OPTIONS (USING DEDICATED BOX)
> INTEGRATED HEARING AID SETUP

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TELEPHONY

HANDS FREE MIRO **i** 4

MAIN FEAUTURES

> 16:9 COLOUR MONITOR DISPLAY 4.3"
> COLOUR: POLISHED WHITE OR BLACK
> CALL VOLUME REGULATION AND MUTE FUNCTION
> RINGER SELECTION FOR OUTDOOR CALL AND FLOOR CALL
> DOOR OPENER BUTTON AND 2 ADDITIONAL BUTTONS
  FOR ADDITIONAL FUNCTIONS
> SECOND DRIVEWAY DOOR OPENING
> CALL AND OTHER ACTIVE FUNCTIONS WARNING LED
> INTEGRATED INDUCTION LOOP FOR HEARING-AID USERS
> WALL MOUNTING OR FLUSH-MOUNTING
> 2 FREE PUSH BUTTON TO CONNECT TO E2BPP
  FOR 2 WIRELESS YOKIS SCENARIOS
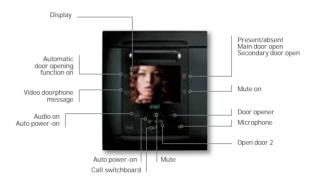
FOLIO **i** 2

Display

Automatic door opening function on

Video doorphone message

Audio on
Auto power-on

Present/absent
Main door open
Secondary door open

Mute on

Door opener
Microphone

Open door 2

Auto power-on
Call switchboard

Mute

MAIN FEAUTURES

> 3.5" COLOUR DISPLAY WITH ALL CONTROLS ON OSD
> DELUXE DESIGN, TWO COLOURS (BLACK AND WHITE),
  SHINY HIGH-TECH FINISH
> CUSTOMISATION DISPLAY COLOURS AND TONES
> ADJUSTABLE BY MEANS OF JOY PAD
> MINIMUM PROTRUSION FROM THE WALL
> SOFT-TOUCH TECHNOLOGY
> INTEGRATED HEARING AID SETUP

MIRO **i** 4

Colour monitor display with 4.3"

Door opener button

Two-coloured LED

3 additional buttons for additional functions (entrance opening, staircase light control, exchange call, etc.)

Brightness and colour adjustment

MAIN FEAUTURES

> 16:9 COLOUR MONITOR DISPLAY WITH 4.3" HANDSET
> COLOUR: POLISHED WHITE
> CALL VOLUME REGULATION AND MUTE FUNCTION
> RINGER SELECTION FOR OUTDOOR CALL AND FLOOR CALL
> DOOR OPENER BUTTON AND 3 ADDITIONAL BUTTONS
  FOR ADDITIONAL FUNCTIONS (ENTRANCE OPENING,
  STAIRCASE LIGHT CONTROL, EXCHANGE CALL, ETC.)
> INTEGRATED INDUCTION LOOP FOR HEARING-AID USERS

MIRO AUDIO **i** 4

Backlit door opening button with green LED

Two-colour LED for Mute function, door open indicator, automatic door opener

Auxiliary function buttons: second gate opening, staircase lights, video auto-on function

MAIN FEAUTURES

> HIGH GLOSS FINISH (WHITE VERSION)
> TOTAL FLAT MINIMUM DIMENSIONS

TECHNOLOGY, ELEGANCE, CUSTOMIZABLE FEATURES

The Urmet entry panels are simple and easy to install. They are compatible with all system types and have styles for all market needs.

SOLUTIONS
FOR ALL STYLES:
**HIGH-CLASS
DELUXE
RESIDENTIAL**

ELEKTA

i 7

Manages
2 inputs

Proximity key
or key code
door opening

For recessed
installation

Standard wide-angle
colour camera with
presence detector

3.5" colour TFT display

Alphanumeric
keypad

MAIN FEAUTURES

> 3.5" TFT DISPLAY
> VOICE MESSAGES FOR OPERATIONS UNDER WAY
> ABSENCE FUNCTION AND AUDIO / VIDEO MESSAGE
   RECORDING
> DOOR OPEN DETECTION
> DURESS FUNCTION
> INTEGRATED AID FOR DISABLED PERSONS

ELEKTA STEEL

i 7

Manages
2 inputs

3.5" colour TFT
display

Alphanumeric
keypad

Vandal resistant
steel entry panel

Standard wide-angle
colour camera with
presence detector

For recessed
installation

MAIN FEAUTURES

> VANDAL RESISTANT STEEL ENTRY PANEL
> 3.5" COLOUR DISPLAY
> VOICE MESSAGES FOR OPERATIONS UNDER WAY
> ABSENCE FUNCTION AND AUDIO / VIDEO MESSAGE RECORDING
> DOOR OPEN DETECTION
> DURESS FUNCTION
> INTEGRATED AID FOR DISABLED PERSONS

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TELEPHONY

EXIGO / EXIGO DIGITAL / TITANIUM

Screw with same finishing

Camera

High quality finishes

High-efficiency LEDs for back-lighted name tags

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MAIN FEAUTURES

> 3MM THICKNESS SINGLE BLOCK STRUCTURE PANEL
> AVAILABLE IN SATIN AND POLISHED FINISHING
> FIVE COLOURS WITH P.V.D. DEPOSITION
> ANTIOXIDATION TREATMENT
> CUSTOMIZABLE (SHAPES, ENGRAVING, SIZES, FINISHINGS)
> EVENTUALLY ADAPTABLE TO EXISTING EMBEDDING BOX
> AVAILABLE FOR PUSHBUTTONS PANELS OR KEYPAD DIGITAL CALL MODULES PANEL

SINTHESI STEEL

i 10

Digital version with control panels and bright display

Possible addition of digital modules or access control modules

Name tag replacement, electrical measurements and audio adjustments possible with no need to access the wiring area

Back-lighted name tags and buttons

Camera module

Call feedback with LED turning on

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MAIN FEATURES

> VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
> COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
> WIDE-ANGLE CAMERA - 120°
> WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS
> MECHANICAL IMPACT RESISTANCE DEGREE: IK09
> COMPATIBLE WITH ANALOGUE SINTHESI OUTDOOR STATIONS
> PRE-WIRED MODULES
> IP45 PROTECTION DEGREE
  (INGRESS OF SOLID OBJECTS AND WATER)

SINTHESI S2

i 9

Digital version with control panels and bright display

Camera module

Call feedback with LED turning on

Possible addition of digital modules or access control modules

Back-lighted name tags and buttons

MAIN FEATURES

> ALUMINIUM BODY
> COMPATIBLE WITH SINTHESI FLUSH-MOUNTING BOX AND LOUDSPEAKING UNIT
> PAN AND TILT CAMERA
> GREEN BACK-LIGHTING
> PRE-WIRED MODULES
> COMPATIBLE WITH ANALOGUE SYSTEMS: 5WIRE, COAX, 4+N, 1+N
> COMPATIBLE WITH DIGITAL SYSTEM: 2VOICE AND IPERVOICE

925

i 8

MAIN FEATURES

> FLUSH ENTRY PANEL FOR FLUSH MOUNT / SURFACE WALL MOUNT
> ALUMINIUM FRONT PANEL
> COMPACT SIZE
> IP33

2VOICE:
REFERENCES

1083/50

1083/75

1083/40

BASIC ELEMENTS		
1083/20A		**System power supply unit** Used for 2Voice system. Assembly on DIN bar (10 modules). 230Vac 50-60Hz. Output 48Vdc
1083/50		**Column interface** Device used for uncouple riser columns in complex 2Voice systems. Ready for assembly on DIN bar (10 modules).
1083/55		**4-user distributor** Floor distributor. Connection for input bus, output bus and 4 apartment extensions. Equipped with output short-circuit protection. Dimensions 45 x 45 x 16 mm (WxHxD)
1083/75		**Entry panel interface** Device used to connect several main entry panels in 2Voice systems. Ready for assembly on DIN bar (10 modules).
1083/90		**2Voice wire. 100 metre reel** 2Voice system wire. 2x1 mm2. External diameter 6.5 mm. 100 metre reel.
1083/92		**2Voice wire. 200 metre reel** 2Voice system wire. 2x1 mm2. External diameter 6.5 mm. 200 metre reel.
1083/40		**Concierge switchboard** Provided with alphanumeric keypad, display and receiver. Provides typical concierge functions. Day/nigh mode operation. Allows to combine a colour video module 1732/41 with corresponding bracket 1732/91.
1083/67		**2Voice-PSTN interface and video** This device allows to connect an analogical telephone or a telephone interface or a PABX to a 2Voice system, to be able of using interphone services also through a telephone terminal. The video is supplied on a coax-type output for connection of compatible terminals. This interface can be programmed in two modes: "internal place" or "call forwarding" as an aid to the 1083/40 gatekeeper lodge exchange. • Power supply: 110/230Vac with power supply provided with kit • Size: 10 DIN modules • Size of Power Supply: 1.5 DIN modules
1083/69		**Video switch 4 IN - 1 OUT DIN mountes** Switch suitable for use in various applications. Considerably simplifies wiring in systems with several main switching video loudspeaking units and is provided with a specific control input for operating up to 4 cameras in cycle. Each input may also be operated by an alarm control. Dimensions: 120 x 120 x 55 mm. Consumption: 10 mA
1783/69		**CCTV Interface, 4 cameras, Bus connection** This device enables connecting 4 control cameras on the Data Bus of the 2Voice system. The cameras are connected to the interface and use the Extended Video Signal Balun instead of coaxial cable. This devices can be associated to a plurality of user of the system or to just one of them.
1083/80		**2Voice special decoder** Allows users to activate loads by pressing a button or following an event. Ready for assembly on DIN bar (6 modules).
1083/17		**16-button expansion module for digital systems** To be used with ref. 1083/8 for expanding the number of call buttons.

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TELEPHONY

LOUDSPEAKING UNIT		
1083/9		**Outdoor audio station - Sinthesi S2** 2VOICE outdoor audio station with Sinthesi S2 design style (2 modules). Features 2 call keys, loudspeaker and microphone. Controls 7 door opener outoputs for pedestrian gate or driveway. Recessed mount box, frame and trim not included
1083/6		**Outdoor audio station - Sinthesi Steel** Same specifications as ref. 1083/7. Provision for connection of outdoor cameras.
1083/8		**Outdoor audio station for Exigo design line** For use in combination with 1038/17 module (one every 16 users).
1810/40		**Colour camera for 2Voice system** To be used with ref. 1083/8 for Exigo, Exigo Digital and Titanium panels
1083/77	▣	**Outdoor video station - Sinthesi S2** 2VOICE outdoor video station with Sinthesi S2 design style (2 modules). Features 2 call keys, colour camera with LED lighting, loudspeaker and microphone. Controls 2 door opener outputs fot pedestrian gate and driveway, Recessed mount box, frame and trim not included
1083/62		**Outdoor video station - Sinthesi Steel** Same specifications as 1083/71.
1083/19	▣	**Sinthesi S2 digital call module with control panel for 2VOICE** Size equivalent to 2 Sinthesi S2 modules. Features alphanumeric control panel, arrow keys to select names from electronic director, 2 line 16-character display. Bluetooth interface for programming from mobile phone/smartphone/PDA. Can be combined with camera to set up video call stations
1083/14	▣	**Sinthesi Steel digital call module with control panel for 2VOICE** Size equivalent to 2 Sinthesi Steel modules. Features alphanumeric control panel, arrow keys to select names from electronic director, 2 line 16-character display. Bluetooth interface for programming from mobile phone/smartphone/PDA. Can be combined with camera to set up video call stations
1083/78	▣	**Outdoor video station - Sinthesi S2** Same specification as 1083/77 with provision for connection up to 5 outdoor cameras
1083/15	▣	**Elekta call module for 2Voice system.** Glass frontal with soft touch technology. 3,5" TFT color monitor with alphanumeric keyboard and proxy key reader built-in. Requires Sinthesi 3-modules emebedding box 1145/53
1083/16	▣	**Elekta Steel vandal-proof call module for 2Voice system.** Front panel made of vandal-proof stainless steel, alphanumeric keypad and embedded proximity key reader for access control. Requires metal 3-modules embedded box 1158/43.
1083/79		**Outdoor video station - Sinthesi S2** Same specifications as ref 1083/77 but for 60 Hz systems
1083/63		**Outdoor video station - Sinthesi Steel** Same specifications as ref. 1083/62 but for 60 Hz systems
1083/25		**Elekta call module for 2Voice system.** Same specification as ref. 1083/15 but for 60 Hz system
1083/27		**Elekta Steel vandal-proof call module for 2Voice system.** Same specification as ref. 1083/16 but for 60 Hz system

1083/77
1083/78

1083/19

1083/14

1083/16

1083/15

2VOICE:
REFERENCES

1183/5

1750/1

1750/5

1716/1

1716/51

INDOOR STATIONS

1183/5		**Base doorphone Miro** Base doorphone for 2VOICE system. Features door opener push-button and one additional push-button. Controls driveway gate and allows intercom call to other apartment. Selectable call tone with 5 different options.
1750/1		**Miro 4,3" colour monitor with bracket, white colour.** Metal bracket for wall mounting. Provision for floor call connection and additional call tone
1750/5		**Miro 4,3" hands free colour monitor with bracket, black colour** Provision for floor call connection, additional call tone and 2 free push button to connect to E2BPP for 2 wireless Yokis scenarios. Metal bracket, wall mounting or flush mounting.
1750/6		**Miro 4,3" hands free colour monitor with bracket, white colour** Provision for floor call connection, additional call tone and 2 free push button to connect to E2BPP for 2 wireless Yokis scenarios. Metal bracket, wall mounting or flush mounting.
1706/5		**Folio monitor for 2VOICE. Black**
1706/6		**Folio monitor for 2VOICE. White**
1716/1		**Aiko monitor for 2VOICE. Black** Recessed or surface wall mount with dedicated box with frame 1716/61, black
1716/2		**Aiko monitor for 2VOICE. White** Recessed or surface wall mount with dedicated box with frame 1716/62, white
1717/12H		**Modo monitor.** 7" TFT colour touch screen monitor with loudspeaking unit and suitable for IPerHome system. Surface wall mount.

ACCESSORIES

1716/50		**Aiko Table top stand** Transparent Plexiglas table stand kit with socket
1716/51		**Set of coloured frontal frames (red, green, blue, grey)**
1716/60		**Flush-mounting box with one white frame and one black frame**
1706/60		**Flush-mounting box for Folio hands-free video doorphone.** Black or white ABS plastic

2VOICE: REFERENCES

ACCESSORIES

1706/61	**Kit for installing Folio speaker monitor on plasterboard wall** Consists of 2 brackets for fitting flush-mounting box 1706/60 on a plasterboard wall.
1750/92	**Transparent plexiglas table stand kit for Mito video doorphone** With socket and 1,5m long wire, for use with brackets without button add-on. Dimensions (W x H x D) mm 152 x 222 x 185.
1740/93	**Transparent plexiglas table stand kit for Signo video doorphone with add-on** With socket and 1,5m long wire, for use with brackets with button add-on. Dimensions (W x H x D) mm 152 x 222 x 190.
1083/96	**Button add-on for Signo monitor** Provided with 6 buttons for intercom calls or special functions, 1 button and 2 LEDs for automatic door opening function management and signalling, door open indication.
1750/50	**In-out connection adapter for 2VOICE system.**

1740/92

KIT

1783/321	**Single-family 2VOICE kit with SINTHESI S2 and MIRO** Includes Sinthesi S2 push.button panel 1083/77, 2 module trim and flush-mounting box, 1 Miro colour monitor with bracket 1750/1 and power unit 1083/20A.
1783/322	**Two-family kit with SINTHESI S2 and MIRO** Includes Sinthesi S2 push-button panel 1083/77, 2 module trim and flush-mounting box, 2 Miro colour monitors with bracket 1750/1, power unit 1083/20A and 4-user distribution 1083/55.
1783/431	**Single-family 2VOICE kit with SINTHESI S2 and AIKO** Includes Sinthesi S2 push.button panel 1083/77, 2 module trim and flush-mounting box, 1 Aiko colour monitor 1716/2 and power unit 1083/20A.
1783/432	**Two-family kit with SINTHESI S2 and AIKO** Includes Sinthesi S2 push-button panel 1083/77, 2 module trim and flush-mounting box, 2 Aiko colour monitors 1716/2, power unit 1083/20A and 4-user distribution 1083/55.
1783/661	**Single-family 2VOICE kit with MIKRA and MIRO** Includes Mikra panel 1783/1, 1 Miro colour monitor with bracket 1750/1 and power unit 1083/20A.
1783/651	**Single-family 2VOICE kit with MIKRA and AIKO** Includes Mikra panel 1783/1, 1 Aiko colour monitor 1716/2 and power unit 1083/20A.
1783/362	**Two-family kit with SINTHESI STEEL and MIRO** Includes Sinthesi Steel push-button panel 1083/62, 2 module trim and flush-mounting box, 2 Miro colour monitors with bracket 1750/1, power unit 1083/20A and 4-user distribution 1083/55.
1783/703	**2Voice system base kit with SINTHESI S2 panel** Includes Sinthesi S2 push-button panel 1083/19 and power unit 1083/20A.
1183/502	**Two-family kit with SINTHESI S2 and MIRO door phone** Includes Sinthesi S2 push-button panel 1083/9, 1148/62 2 module trim, 1145/52 flush-mounting box, 2 Miro door phone 1183/5 and power unit 1083/20A.
1783/324	**Two-family kit with Sinthesi S2 and colour MIRO** Same specifications as ref. 1783/322 but for 60 Hz systems.
1783/434	**Two-family kit with Sintehsi s2 and AIKO** Same specifications as ref. 1783/432 but for 60 Hz systems.
1783/323	**Single-family kit with Sinthesi S2 and Miro** Same specification as Ref. 1783/321 but for 60 HZ systems.
1783/433	**Single-family kit with Sinthesi S2 and Aiko** Same specification as Ref. 1783/431 but for 60 HZ systems.

1783/431

1783/651

◢◣ Color

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URMET GROUP

SERVICES

SHOWCASE

HOME AUTOMATION

DIGITAL VIDEO DOOR PHONE SYSTEMS

ANALOGUE VIDEO DOOR PHONE SYSTEMS

ENTRY PANELS AND ACCESSORIES

COMMUNICATION KIT

TELEPHONY

IPervoice

IP TECHNOLOGY
INTEGRATED SOLUTIONS
FOR SMART BUILDINGS

urmet

1 type of cable for the whole system. **Unlimited extension**, risers, users and functions. Integrated functions connected to video-doorphone service. All devices and functions are installed directly in the system, **with no need for additional wiring**.

Ideal for

> Large residential complexes

> Applications with complex communication, security and integration needs

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IPERVOICE: TOTAL INTEGRATION, NOTHING IS IMPOSSIBLE

First digital system entirely over **CAT5/5E/6** cable or fiber optics

IperVoice is ideal for **large complexes** and offers unlimited:

> extension and distance

> risers

> number of exchanges

> number of users

> number of calls at the same time (inside and outside apartment)

FUNCTIONS

A broad range of functions can be installed directly in the system with no need for additional wiring. All controls are available at the indoor video-doorphone monitor, turning the concierge evolves into a control centre that gathers all building information in terms of:

> VIDEO SURVEILLANCE

> EXCHANGE

> INTRUSION DETECTION

> ACCESS CONTROL

> LIFT CONTROL

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TELEPHONY

1 wire for the whole system

WHAT DO YOU NEED?

> In larger residential complexes, offering users a higher degree of automation
and improved building control is a key competitive edge. **IperVoice** makes the
difference thanks to advanced functions that integrate into the video-doorphone
service, with two key advantages: simple controls and a limited number
of management devices in common areas and apartments.

WHAT DO YOU GET?

> With **IperVoice**, installers can provide their customers with a high-tech product
that reduces installation time and cost thanks to IP technology, the convenience
of using a same cable for all connections, and PoE switches used for distribution.
Simple and uncomplicated, Ethernet cabling meets any installation requirements,
providing communication throughout the residential complex and facilitating
function integration.

IPERVOICE: INTEGRATED SOLUTIONS FOR IMPROVED BUILDING AUTOMATION AND SECURITY

Services and security in a single system

EXCHANGE

> Concierge evolves into a control centre
> Management of all communication streams
> Supports several exchanges for different groups of users
> Integration with any type of terminals: cordless phones, earphones, PC

VOIP

> A phone with the potential of an exchange
> Installs in common areas, allows two-way communication
  with all users
> Door opener function

LIFT CONTROL

> Send lift to desired floor
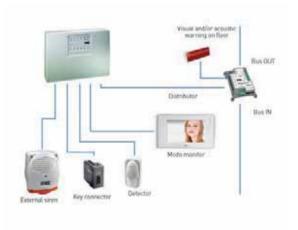
ACCESS CONTROL

> Entry/exit detection and recording
> Each passage is associated to a specific key or access code
> Anti pass-back function inhibits multiple access
  with same key

INTRUSION DETECTION SYSTEMS

> Urmet alarm systems installed in an apartment can be
  integrated in the video-doorphone service
> Any alarm signal generated in the apartment is automatically
  transferred to gatekeeper lodge
> Siren activation or light indicator in landing

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Communication and CCTV all-in-one

VIDEO-DOORPHONE FUNCTION

> **IPerVoice** adds new solutions to conventional video-doorphone functions. With the dedicated push-button panel **Elekta**, each user can associate his/her name to a logo, or an image and show the route to his/her home on a graphic map for visitors. Written messages can be entered to be displayed when a visitor rings the bell and no one is at home. Visitors can record audio messages that the user can listen from the home monitor

DISPLAY SHOWS ROUTE TO DESIRED BUILDING

DISPLAY SHOWS CUSTOMISED MESSAGE WHEN USER IS NOT AT HOME

DISPLAY SHOWS NAME SEARCH TO SELECT DESIRED USER

DISPLAY SHOWS NAME ENTRY PROCEDURE WITH SET-UP WIZARD

VIDEO SURVEILLANCE

> Unlimited number of cameras
> CCTV stream can be viewed from concierge lodge and individual apartments
> Each camera can be connected to an alarm sensor
> Alarm event triggers call to exchange and video recording

CAMERAS ACTIVATE WHEN SUBJECT PASSES

PoE SWITCH   VIDEO SERVER   CCTV

INTERCOM

> Up to 16 devices per apartment can communicate with one another at all time without occupying the riser line
> Allows communication with all other users in the complex and with the different manned stations in common areas
> Unlimited intercom calls with other users: thanks to the touch-screen monitors, each apartment can call any other terminal

DESIGN
AND VERSATILITY

The Urmet apartment unit range is the most complete and flexible on the market, offering a wide variety of doorphone styles and monitors, all compatible with analogue and digital systems. Technology and design are key in the development of all new products: like the new

Modo and **Aiko** hands-free devices and the new **Folio** soft-touch version, for technology suited to all styles.

Urmet develop its new products with hearing aid compatibility in mind. t-Modo, i-Modo, Modo, Aiko, Folio and Signo can emit

electromagnetic waves that can be detected by hearing aids. These devices are compatible with all induction loop antennas for hearing aids (ETS 300381 and EN 60118 standards).

SOLUTIONS FOR ALL DÉCOR STYLES:
TOP QUALITY
LUXURY
HOME

URMET APARTMENT STATIONS:
FREE TO CHOOSE.

I-MODO

i2

Camera

At home/Away
Main door open
Secondary door open

Mute on

Door opener

Video doorphone message

MAIN FEAUTURES

> READY FOR INTEGRATION INTO IPERHOME
> 7" COLOUR TOUCHSCREEN DISPLAY
> UNLIMITED INTERCOM CALLS FROM ON-SCREEN VIRTUAL KEYPAD OR DIRECTORY
> UNLIMITED ACTIVATIONS THANKS TO THE VIRTUAL KEYPAD
> CAN CALL SEVERAL CONTROL UNITS OR MANNED STATIONS
> MANAGEMENT OF TWO ELECTRIC LOCKS
> SELECTABLE RINGER TONE
> SURVEILLANCE CAMERA SCAN
> MESSAGE BACKLOG ENQUIRY
> AUTOMATIC DOOR OPENER FUNCTION
> MUTE WITH LED SIGNALLING
> AUDIO WITH TWO LOUDSPEAKERS

MODO

i2

Audio/video settings

Present/absent
Main door open
Secondary door open

Display

Show other cameras

Mute

Communication on

Mute on

Door opener

Video doorphone message

4:3/16:9 ration switch

Secondary Door Opener

Main Door Opener

MAIN FEAUTURES

> 7" COLOUR DISPLAY WITH TOUCH-SCREEN MENU
> UNLIMITED INTERCOM CALLS FROM VIRTUAL KEYPAD ON SCREEN
> UNLIMITED ACTIVATIONS USING VIRTUAL KEYPAD
> POSSIBILITY OF CALLING SEVERAL SWITCHBOARDS OR MANNED STATIONS
> MANAGEMENT OF TWO ELECTRIC LOCKS
> SELECTABLE RING TONES
> SURVEILLANCE CAMERA SCAN CYCLE
> MAILBOX QUERY FUNCTION
> AUTOMATIC DOOR OPENER FUNCTION
> MUTE FUNCTION WITH LED INDICATOR
> AUDIO BY MEANS OF TWO SPEAKERS

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TELEPHONY

AIKO

i 2

Display

Microphone
Mute on
Automatic door opening function on
Video doorphone message
At home/Away
Main door open
Secondary door open

Audio button

Door opener
Joypad
Call switchboard

Auto power-on

Open door 2

Mute

MAIN FEAUTURES

> 4.3" COLOUR MONITOR OSD (ON SCREEN DISPLAY) FUNCTION WITH COMMAND DISPLAY
> SOFT-TOUCH TECHNOLOGY
> MANAGEMENT OF UP TO 8 INTERCOM CALLS WITH OSD MENU
> QUALITY MATERIALS
> WALL MOUNTED WITH FLUSH-MOUNTING OPTIONS (USING DEDICATED BOX)
> INTEGRATED HEARING AID SETUP

FOLIO

i 3

Display

Automatic door opening function on

Video doorphone message

Audio on Auto power-on

Present/absent
Main door open
Secondary door open

Mute on

Door opener
Microphone

Open door 2

Auto power-on   Mute
Call switchboard

MAIN FEAUTURES

> 3.5" COLOUR DISPLAY WITH ALL CONTROLS ON OSD
> DELUXE DESIGN, TWO COLOURS (BLACK AND WHITE), SHINY HIGH-TECH FINISH
> CUSTOMISATION DISPLAY COLOURS AND TONES
> ADJUSTABLE BY MEANS OF JOY PAD
> MINIMUM PROTRUSION FROM THE WALL
> SOFT-TOUCH TECHNOLOGY
> INTEGRATED HEARING AID SETUP

SIGNO

i 5

Colour or B/W version display

Backlit door opening button with green LED

Auxiliary function buttons: second gate opening, staircase lights, video auto-on function

MAIN FEAUTURES

> HIGH GLOSS FINISH (WHITE VERSION)
> VERSATILE: B/W AND COLOUR VERSIONS, AUDIO VERSIONS
> TOTAL FLAT MINIMUM DIMENSIONS
> THREE DIFFERENT COLOURS: WHITE, ANTHRACITE AND PLATINUM
> INTEGRATED HEARING AID SETUP

SIGNO AUDIO

i 5

Backlit door opening button with green LED

Auxiliary function buttons: second gate opening, staircase lights, video auto-on function

MAIN FEAUTURES

> HIGH GLOSS FINISH (WHITE VERSION)
> TOTAL FLAT MINIMUM DIMENSIONS

TECHNOLOGY, STYLE, CUSTOMISATION

The outdoor stations of the Urmet range are easy and practical to install, and are compatible with all system types and with the technology and design styles that meet the diverse users' tastes.

SOLUTIONS FOR ALL DÉCOR STYLES:
TOP QUALITY
LUXURY
HOME

ELEKTA

i 7

Manages 2 inputs

Proximity key or key code door opening

For recessed installation

Standard wide-angle colour camera with presence detector

3.5" colour TFT display

Alphanumeric keypad

MAIN FEAUTURES

> 3.5" TFT DISPLAY
> VOICE MESSAGES FOR OPERATIONS UNDER WAY
> ABSENCE FUNCTION AND AUDIO / VIDEO MESSAGE RECORDING
> DOOR OPEN DETECTION
> DURESS FUNCTION
> INTEGRATED AID FOR DISABLED PERSONS

ELEKTA STEEL

i 7

Manages 2 inputs

3.5" colour TFT display

Alphanumeric keypad

Vandal resistant steel entry panel

Standard wide-angle colour camera with presence detector

For recessed installation

MAIN FEAUTURES

> VANDAL RESISTANT STEEL ENTRY PANEL
> 3.5" COLOUR DISPLAY
> VOICE MESSAGES FOR OPERATIONS UNDER WAY
> ABSENCE FUNCTION AND AUDIO / VIDEO MESSAGE RECORDING
> DOOR OPEN DETECTION
> DURESS FUNCTION
> INTEGRATED AID FOR DISABLED PERSONS

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TELEPHONY

EXIGO / EXIGO DIGITAL

Camera module

Call feedback with LED turning on

Alphanumeric keypad

MAIN FEATURES

> COMPATIBILITY WITH IPERVOICE DIGITAL SYSTEM
> PVD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT ON HIGH-QUALITY BRASS FRONT COVERS WITH 3 MM THICKNESS
> POLISHED OR SATIN SURFACE FINISH
> VARIOUS COLOURS AVAILABLE: PVD BRASS, PVD GUN METAL GREY, PVD COPPER BRONZE, CHROME STEEL AND MICACEOUS IRON

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TITANIUM

Manages 2 inputs

Standard wide-angle colour camera with presence detector

3.5" colour TFT display

Alphanumeric keypad

Vandal resistant steel entry panel

MAIN FEATURES

> COMPATIBILITY WITH IPERVOICE DIGITAL SYSTEM
> CHROME ANTI-CORROSION AND ANTI-OXIDATION TREATMENT ON STEEL-LIKE FRONT COVER 3 MM THICKNESS
> POLISHED OR SATIN FINISH
> RETROFITTING TO ALL URMET ENTRY PANELS AND TO THIRD-PARTY ENTRY PANELS WITH NO MASONRY WORK REQUIRED

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SINTHESI STEEL

i10

Digital version with control panels and bright display

Possible addition of digital modules or access control modules

Name tag replacement, electrical measurements and audio adjustments possible with no need to access the wiring area

Back-lighted name tags and buttons

Camera module

Call feedback with LED turning on

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MAIN FEATURES

> VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
> COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
> WIDE-ANGLE CAMERA - 120°
> WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS
> MECHANICAL IMPACT RESISTANCE DEGREE: IK09
> COMPATIBLE WITH ANALOGUE SINTHESI OUTDOOR STATIONS
> PRE-WIRED MODULES
> IP45 PROTECTION DEGREE (INGRESS OF SOLID OBJECTS AND WATER)

SINTHESI S2

i9

Digital version with control panels and bright display

Camera module

Call feedback with LED turning on

Possible addition of digital modules or access control modules

Back-lighted name tags and buttons

MAIN FEATURES

> IP TECHNOLOGY
> ALUMINIUM BODY
> COMPATIBLE WITH SINTHESI FLUSH-MOUNTING BOXES AND OUTDOOR STATIONS
> VARIABLE-ANGLE CAMERA
> GREEN BACKLIGHTING
> SIMPLIFIED WIRING
> COMPATIBLE WITH 5-WIRE, 4+N AND 1+N COAX ANALOGUE SYSTEMS
> COMPATIBLE WITH 2VOICE AND IPERVOICE DIGITAL SYSTEMS

IPERVOICE:
REFERENCES

1039/34

1039/36

1039/37

1039/41

1039/50

1039/82

BASIC ELEMENTS		
1039/1		**IP system server** Intel Pentium 1GHz processor. With RJ45 port and two USB ports. Ready for mounted on wall and on DIN bar. With 2.5" HDD. Dimensions: 172 (width) x 55 (height) x 114 (depth). On/off button and LED, reset button. Power supply unit included.
1039/100		**Set of 20 RJ45 connectors IP side** Set of 20 RJ45 connectors with "URMET" print for connecting compatible IP devices.
1039/101		**Set of 20 RJ45 connectors column side** Set of 20 RJ45 connectors with "NO LAN" print for connecting IP IperVoice column devices.
1039/20		**UTP CAT5/5e/6 column power supply unit** Power supply unit for IperVoice riser. Provided with two RJ45 connectors for inlet and output bus. With LED and trimmer for video signal equalisation. Dimensions: DIN bar (10 modules).
1039/34		**UTP CAT5/5e/6 four-user distributor** Four user in column. With four RJ45 connectors for connecting users and two RJ45 connectors for input and output buses. Call floor for each user. Terminals for connecting the second audio channel to the column. Relay output for connecting to a floor alarm signal.
1039/36		**UTP CAT5/5e/6 intercom device** For connecting four apartment devices (audio or video doorphones) allowing intercom functions. Up to four devices in a cascade for a total of 16 devices in parallel and intercommunicating in the same apartment. DIN bar (6 modules). Local power supply with 1039/20.
1039/37		**UTP CAT5/5e/6 lift interface** Allows to supply door open information to the lift control unit of the building. Provided with 24 NO/C/NC relay outputs which can be associated to each user or group of users. Up to eight devices can be connected in cascade for a total of 192 commands. DIN bar (12 modules). Locally powered by 1039/20.
1039/41		**PC concierge switchboard** Atlantico doorphone with USB connector and A/V plug for connection to PC. Provides audio doorphone connection to concierge switchboard application.
1039/44		**4 ports + 4PoE switch** Switch with 8 ports, of which four PoE. 110-230 Vac/50-60 Hz power supply unit.
1039/50		**IP/UTP CAT5/5e/6 gateway** For interfacing IP backbone with riser column. DIN bar (10 modules).
1039/56		**Bluetooth programming device** Interface for programming column devices using mobile phone or PDA. Provided with adapter cable.
1039/61		**Apartment alarm interface** Interface board to be arranged inside URMET units 1061/004 and 1061/006.
1039/69		**IperVoice Video Server** For connecting 4 traditional cameras. The images are conveyed to IP bus and displayed on devices in the system (monitor, switchboards).
1039/80		**IP special decoder** For activating/deactivating loads or other functions on IP backbone.
1039/82		**IP reader on Sinthesi S2** Proximity key reader over IP bus
1039/90		**IP outdoor cable** UTP CAT5/5e/6 for buried installation. For use on common backbone. 100 metre reel.

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IPERVOICE:
REFERENCES

LOUDSPEAKING UNIT

1039/13	📷	**Elekta call module for IperVoice system.** Glass frontal with sof touch technology. 3,5" colour display, alphanumeric keypad, arrow buttons for scrolling the name direcotry, colour camera and light, loudspeaking unit and proximity key reader. Requires Sinthesi 3-modules embedded box 1145/53
1039/18	📷	**Elekta Steel vandal-proof call module for IperVoice system.** Front panel mad of vandal-proof stainless steel. 3,5" colour display, alphanumeric keypad, arrow buttons for scrolling the name direcotry, colour camera and light, loudspeaking unit and proximity key reader. Requires Sinthesi Steel 3-modules embedded box 1158/43
1039/74		**IperVoice video outdoor panel - Sinthesi Steel, Exigo and Titanium** Sinthesi Steel design style (2 module). Includes colour camera with lighting. 2 call keys and loudspeaking unit. Handles 2 electric locks; features hallway push-button and door open warning. Frame and embedded box are not included
1039/78		**IPerVoice outdoor video station with keys** Sinthesi S2 design style (12 modules). Includes colour camera with lighting. 2 call keys and audio module. Handles 2 electric locks; features hallway push-button and door open warning. Trim and recessed box included
1039/17		**Elekta Anti-Vandal IP Call module** Same specifications as ref. 1039/18 but for 60 Hz systems
1039/12		**Elekta Digital call module for IPerVoice with soft touh panel** Same specifications as ref. 1039/13 but for 60 Hz systems
1039/79		**IPerVoice outdoor video station with keys** Same specifications as ref. 1039/78 but for 60 Hz systems
1039/75		**IPerVoice digital outdoor video station - Sinthesi Steel** Same specifications as ref. 1039/74 but for 60 Hz systems

1039/13

1039/18

INDOOR STATIONS

1139/2		**IPerVoice door phone** Signo door phone. Features 3 additional service buttons and door opening button. Adjustable call volume
1740/95		**IPerVoice bracket for Signo**
1706/7	📷	**Folio monitor.** 3,5" colour soft touch monitor with loud speaking unit, black
1706/8		**Folio monitor.** 3,5" colour soft touch monitor with loud speaking unit, white
1740/40		**Signo monitor.** 4" TFT colour monitor with microtelephone, white
1717/11	📷	**Modo monitor.** 7" TFT colour touch monitor with loud speaking unit. Surface wall mount
4501/5		**VoIP telephone.** WAN port and a LAN with RJ45 connector; A RJ11 port for connection to PSTN analogue line; a RJ11 port for telephone headset. Table-top or wall installation
1716/4		**Aiko monitor.** 4,5" TFT colour soft touch monitor with loud speaking unit, White
1717/2		**Imodo IP terminal.** 7" TFT colour touch monitor with Home Automation functions
1740/18		**Signo monitor.** Same specification as ref. 1740/1 but for 60 Hz systems

1706/7

1717/11

ACCESSORIES

1716/50		**Aiko Table top stand** Transparent Plexiglas table stand kit with socket
1716/51		**Set of coloured frontal frames (red, green, blue, grey)**
1716/60		**Flush-mounting box with one white frame and one black frame**
1706/60		**Flush-mounting box for Folio hands-free video doorphone.** Black ABS plastic. Dimensions: 131 (W) x 129 (H) x 53 (D) mm
1706/61		**Kit for installing Folio speaker monitor on plasterboard wall** Consists of 2 brackets for fitting flush-mounting box 1706/60 on a plasterboard wall.
1740/92	📷	**Transparent Plexiglas table stand kit for Signo video doorphone.** With socket and 1,5m long wire, for use with brackets without button add-on. Dimensions (HxWxD) mm 222x185x152
1740/93		**Transparent plexiglas table stand kit for Signo video doorphone with add-on** With socket and 1,5m long wire, for use with brackets with button add-on. Dimensions (W x H x D) mm 152 x 222 x 190

1740/92

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ANALOGUE VIDEO-DOORPHONE SYSTEMS

ANALOGICAL VIDEO SYSTEMS
COAX SYSTEM
5WIRE SYSTEM

ANALOGICAL AUDIO SYSTEMS
4+N SYSTEM
1+N SYSTEM

SYSTEM GUIDE

ANALOGICAL VIDEO SYSTEMS		ANALOGICAL AUDIO SYSTEMS	
Coax pag. 58	**5 Wire** pag. 63	**4+n** pag. 68	**1+n** pag. 74
Advantages and applications: Large distances between camera and monitors. 4+n doorphone with electronic call are used. Very high number of configurations with b/w and colour video doorphones.	**Advantages and applications:** Derived from the 1+n audio system for transforming 4+n audio system into video systems without adding a coaxial cable.	**Advantages and applications:** Traditional and electronic call doorphone are used. Systems with intercom service and conversation privacy function to door unit and systems with several automatically switching entrances can be made.	**Advantages and applications:** and applications: Ideal for transforming a typical door bell system into complete doorphone system without needing to add wires to the riser column. Conversation privacy guaranteed between apartments.

COMPARISON TABLE				
No. of users	20	20	20	20
Distance between call module and apartment station	300 m	200 m	300 m	200 m
Mixed audio/video	YES	YES	NO	NO
Conversation privacy	NO	YES	NO	YES
Intercom function	YES	NO	YES	NO
Main/secondary doors	4 main or 1 main + No. secondary	4 main.	4 main or 1 main + No. secondary	4 main.
Access control integration	YES	YES	YES	YES
Connection options PABX	YES	NO	YES	YES
Compatibility with video surveillance system	NO	NO	NO	NO
Technological alarm compatibility	NO	NO	NO	NO
Switchboard	NO	NO	NO	NO
Use of existing wiring	YES	YES	YES	YES
Wire	Coax Rg59 + door phone cable	door phone cable	door phone cable	door phone cable
Kit	1748 series	1748 - 956 series	1122 - 1150 series	NO

APPLICAZIONI				
Small systems	YES	YES	YES	YES
Medium systems	YES	YES	YES	YES
Large systems	NO	NO	NO	NO

COMPATIBILITY TABLE
APARTMENT STATIONS / ENTRY PANELS

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LOW NUMBER OF WIRES SYSTEMS		ANALOGICAL VIDEO SYSTEMS		ANALOGICAL AUDIO SYSTEMS	
		Coax	5 Wire	4+n	1+n
NEXO cod. 1708		YES	YES	NO	NO
SIGNO cod. 1740-1140		YES	YES	YES	NO
MIRO cod. 1150		YES*	YES*	YES	YES
ATLANTICO cod. 1133		YES*	YES*	YES	YES
1130 cod. 1130		NO	NO	YES	NO
EXIGO		YES	YES	YES	YES
SINTHESI STEEL cod. 1155-1755		YES	YES	YES	YES
SINTHESI S2 cod. 1148-1748		YES	YES	YES	YES
925 cod. 925		YES	YES	YES	YES
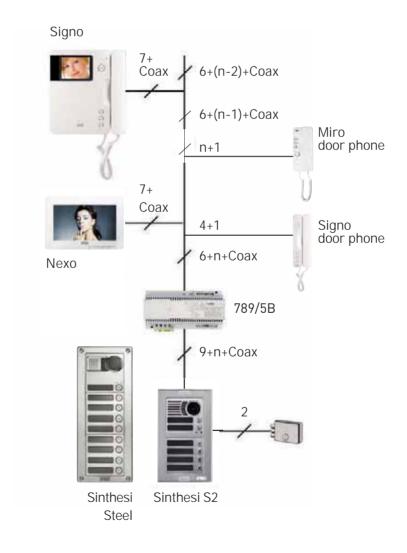
* May be used as additional door phone

COAX
SYSTEM

Systems with coaxial cable

In systems with coaxial cable, 4+n door phones with electronic call are used, and it is possible to arrange many configuration combinations, both with b/w and colour video door phones. The coaxial cable allows to cover long distances between camera unit and monitors and allows to arrange the same type of systems used with 4+n audio system.

Signo

7+ Coax   6+(n-2)+Coax

6+(n-1)+Coax

n+1   Miro door phone

7+ Coax

4+1   Signo door phone

Nexo   6+n+Coax

789/5B

9+n+Coax

2

Sinthesi Steel   Sinthesi S2

APARTMENT STATIONS

NEXO

Display
Function menu
Microphone
Service key
Service key
Door opener
Phone module

MAIN FEAUTURES

> 7" TFT DISPLAY
> WALL MOUNT
> PROVISION FOR INSTALLATION
  WITH 503 AND 60 BOXES
> 2 DRY CONTACTS FOR CONNECTION
> 2 BUTTONS FOR SUPPLEMENTAL SERVICES
> VOLUME, CONTRAST, BRIGHTNESS,
  COLOUR ADJUSTMENTS

i 3

SIGNO

Colour or B/W version display
Backlit door opening button with green LED
Auxiliary function buttons:
second gate opening,
staircase lights,
video auto-on function

MAIN FEAUTURES

> HIGH GLOSS FINISH (WHITE VERSION)
> VERSATILE: B/W AND COLOUR VERSIONS,
  AUDIO VERSIONS
> TOTAL FLAT MINIMUM DIMENSIONS
> THREE DIFFERENT COLOURS:
  WHITE, ANTHRACITE AND PLATINUM
> INTEGRATED HEARING AID SETUP

i 5

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ENTRY PANELS

EXIGO

Colour-matched nuts and bolts

Camera

Top-quality finishes

High visibility back-lighted name tag

www.prodeltorino.it

MAIN FEATURES

> PVD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT
  ON HIGH-QUALITY BRASS FRONT COVERS WITH 3 MM THICKNESS
> CUSTOMISED FINISHES (POLISHED AND SATIN BRASS,
  COLOUR FINISHES: CHROME STEEL, GUN METAL GREY
  COPPER BRONZE, MICACEOUS IRON, ETC.)
> AUDIO AND VIDEO ANALOGUE AND DIGITAL SOLUTIONS, 1 OR 2 ROWS
> CAN BE USED WITH FLUSH-MOUNTING
  BOXES MOD 1145 WITH 1 UP TO 10 BUTTONS
> COMPATIBLE WITH CERTAIN FLUSH-MOUNTING BOXES MOD. 625*
> 3 TO 20 BUTTONS

* For more information, please contact the Urmet sales network,
  visit www.prodeltorino.it or call +39 011 2484103.

SINTHESI STEEL

i10

Digital version with control panels and bright display

Possible addition of digital modules or access control modules

Name tag replacement, electrical measurements and audio adjustments possible with no need to access the wiring area

Back-lighted name tags and buttons

Camera module

Call feedback with LED turning on

www.prodeltorino.it

MAIN FEATURES

> VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
> COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
> WIDE-ANGLE CAMERA - 120°
> WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS
> MECHANICAL IMPACT RESISTANCE DEGREE: IK09
> COMPATIBLE WITH ANALOGUE SINTHESI OUTDOOR STATIONS
> PRE-WIRED MODULES
> IP45 PROTECTION DEGREE
  (INGRESS OF SOLID OBJECTS AND WATER)

SINTHESI S2

i9

Digital version with control panels and bright display

Name tag replacement, electrical measurements and audio adjustments possible with no need to access the wiring area

Back-lighted name tags and buttons

Camera module

Call feedback with LED turning on

Possible addition of digital modules or access control modules

MAIN FEATURES

> ALUMINIUM BODY WITH POLISHED STEEL FINISH
> COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
> COLOUR CAMERA
> GREEN BACKLIGHTING
> MECHANICAL IMPACT RESISTANCE DEGREE: IK09
> IP42 DEGREE (PROTECTION AGAINST SEEPAGE
  OF SOLID OBJECTS AND WATER)

925

i8

MAIN FEATURES

> FLUSH ENTRY PANEL FOR FLUSH MOUNT / SURFACE WALL MOUNT
> ALUMINIUM FRONT PANEL
> COMPACT SIZE
> IP33

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COLOUR VIDEO DOORPHONE - BRACKET		
1708/1		NEXO 7" hands-free audio monitor for surface wall mount (bracket included)

1708/1

COLOUR VIDEO DOORPHONE WITHOUT BRACKET	
1740/18	**Signo monitor.** Same specification as ref. 1740/1 but for 60 Hz systems
1740/40	**Signo monitor.** 4" TFT colour monitor with microtelephone, white
1740/20	**Sentinel-Vedette-Explorer retrofit.** The video door phone allows to replace Sentinel, Vedette, Explorer and 1704/20A monitors installed on coax cable system. Signo can be used with all CCD cameras (NO Vidicom). Dimensions 225 x 205 x 50
1740/90	**Bracket for Signo video doorphone**
1740/86	**Bracket with button add-on for Signo video doorphone**

1740/40

4+N LOUDSPEAKING UNIT	
824/500	**Slim audio loudspeaking unit for Exigo entry panel**
1145/500	**Audio loudspeaking unit for Sinthesi entry panel**
1145/510	**Sinthesi S2 loudspeaking unit powered 12Vca**
1128/500	**Audio loudspeaking unit for Mod. 925, Exigo entry panels**
1128/510	**Audio loudspeaking unit for Mod. 925, Exigo entry panels, 12 Vac power**
5150/53	**3-wire audio loudspeaking unit for Mod. 925 / Exigo entry panel**

NOTE: in order to complete an entry panel with frame, pushbutton modules, embedding box and accessories please refer to page 85

CAMERA MODULE WITH/WITHOUT INTEGRATED LOUSPEAKING UNIT FOR COAX SYSTEM		
1748/40		**Colour camera module for Sinthesi S2 entry panel**
1748/49		**Colour wide-angle camera for Sinthesi S2 panel** Same specification as ref. 1748/40 but for 60 Hz systems
1748/92		**Colour camera module with 4+n integrated** loudspeaking unit and 2 push buttons for Sinthesi S2 entry panel
1758/40		**Colour wide-angle camera for Sinthesi Steel panel**
1758/41		**Colour wide-angle camera with integrated loudspeaking unit for Sinthesi Steel entry panel**
1758/49		**Colour wide-angle camera for Sinthesi Steel panel** Same specification as ref. 1758/40 but for 60 Hz systems
1810/40		**Colour camera module for Exigo entry panel** to be used in combination with 1742/13A board
1810/70		**B/W camera module for Exigo entry panel** to be used in combination with 1742/13A board
725/640		**Colour camera module for 925 entry panel**

1748/40

1758/40

NOTE: in order to complete an entry panel with frame, pushbutton modules, embedding box and accessories please refer to page 85

BRACKET DOORPHONE POWER SUPPLY UNIT	
786/12	Device with call generator to be used in basic 4+n doorphone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/14, 786/38. Dimensions: (HxLxP) 61 x 54 x 90
789/6B	Used for powering video doorphone systems with electronic call. Provided with selfresetting PTC protection, adjustable timer and call generator. Device 786/51 is needed in intercom systems. Dimensions: (HxLxP) 180 x 75 x 97

REFERENCES

1740/92

AUDIO AND VIDEO DOORPHONE ACCESSORIES		
1740/92	📷	**Transparent Plexiglas table stand kit for Signo video doorphone.** With socket and 1,5m long wire, for use with brackets without button add-on. Dimensions (HxWxD) mm 222x185x152
1740/93		**Transparent plexiglas table stand kit for Signo video doorphone with add-on** With socket and 1,5m long wire, for use with brackets with button add-on. Dimensions (W x H x D) mm 152 x 222 x 190.

ACCESSORIES FOR COAX VIDEO SYSTEMS	
1794/4A	**4 output video distributor for coax systems** Distributes video signal to floor; power at 15-18Vdc. Dimensions: (W x H x D) 95 x 64 x 28 mm
1131/4	**10 diode box** For use in 4+n audio and coax systems with intercom function.
7057/234	**14 wire cable + coax** 100m reels, external diameter of cable 17 mm; sections: 2 x 0.8 mm 2, 6 x 0.5 mm 2, 6 x 0.35 mm2
7057/235	**8 wire cable + coax** 100m reels, external diameter of cable 15 mm; sections: 2 x 1 mm 2, 2 x 0,8 mm 2, 3 x 0,35 mm2, 1 x 0,5 mm^2
9854/56	**Additional electronic buzzer for Signo video doorphone** Installed on monitor bracket, it acts as an additional chime to differentiate calls. Power supply: 12 Vdc; current draw during call 60 mA.
9854/53	**Supplementary ringer** Suitable for use as supplemenary ringer in electronic and traditional call systems. Dimensions: 80 (W) x 80 (H) x 32 (D) mm

789/5B   **SINTHESI S2**

COAX SYSTEM BASE KIT	
1748/770	Two family colour coax Kit with Sinthesi S2 panel (Video door phone supplied separately)

The kit includes:

- **1748/92** colour camera module with integrated loudspeaking unit and 2 buttons.
- **1145/51** one module flush-mounting box
- **1148/61** one-module Sinthes S2 frame
- **789/5B** video power unit
- **1748/101** Sinthesi S2 1-module front panel with one button
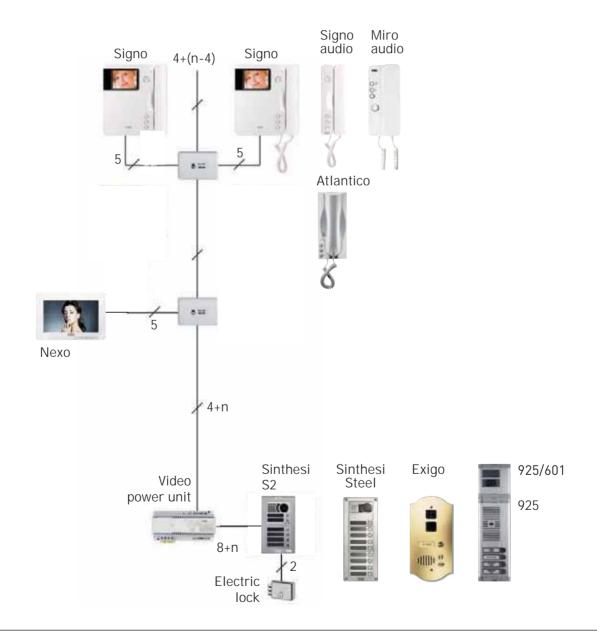
5 WIRE SYSTEM

5-wire systems
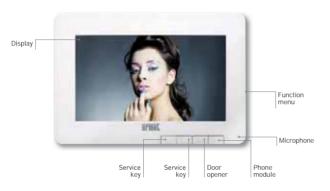
The 5-wire system, deriving from the 1+n audio system, is suitable to transform 4+n audio systems into video

systems without adding the coaxial cable and other wires inside the riser.

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Display

Function menu

Microphone

Service key

Service key

Door opener

Phone module

MAIN FEAUTURES

> 7" TFT DISPLAY
> WALL MOUNT
> PROVISION FOR INSTALLATION
  WITH 503 AND 60 BOXES
> 2 DRY CONTACTS FOR CONNECTION
> 2 BUTTONS FOR SUPPLEMENTAL SERVICES
> ADJUSTMENTS (VOLUME, CONTRAST,
  BRIGHTNESS, COLOUR)

SIGNO

i 5

Colour or B/W
version display

Backlit door opening
button with green LED

Auxiliary function buttons:
second gate opening,
staircase lights,
video auto-on function

MAIN FEAUTURES

> HIGH GLOSS FINISH (WHITE VERSION)
> VERSATILE: B/W AND COLOUR VERSIONS,
  AUDIO VERSIONS
> TOTAL FLAT MINIMUM DIMENSIONS
> THREE DIFFERENT COLOURS:
  WHITE, ANTHRACITE AND PLATINUM
> INTEGRATED HEARING AID SETUP

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EXIGO

Colour-matched nuts and bolts

Camera

Top-quality finishes

High visibility back-lighted name tag

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MAIN FEATURES

> PVD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT ON HIGH-QUALITY BRASS FRONT COVERS WITH 3 MM THICKNESS
> CUSTOMISED FINISHES (POLISHED AND SATIN BRASS, COLOUR FINISHES: CHROME STEEL, GUN METAL GREY COPPER BRONZE, MICACEOUS IRON, ETC.)
> AUDIO AND VIDEO ANALOGUE AND DIGITAL SOLUTIONS, 1 OR 2 ROWS
> CAN BE USED WITH FLUSH-MOUNTING BOXES MOD 1145 WITH 1 UP TO 10 BUTTONS
> COMPATIBLE WITH CERTAIN FLUSH-MOUNTING BOXES MOD. 625*
> 3 TO 20 BUTTONS

* For more information, please contact the Urmet sales network, visit www.prodeltorino.it or call +39 011 2484103.

SINTHESI STEEL
i 10

Digital version with control panels and bright display

Possible addition of digital modules or access control modules

Name tag replacement, electrical measurements and audio adjustments possible with no need to access the wiring area

Back-lighted name tags and buttons

Camera module

Call feedback with LED turning on

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MAIN FEATURES

> VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
> COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
> WIDE-ANGLE CAMERA - 120°
> WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS
> MECHANICAL IMPACT RESISTANCE DEGREE: IK09
> COMPATIBLE WITH ANALOGUE SINTHESI OUTDOOR STATIONS
> PRE-WIRED MODULES
> IP45 PROTECTION DEGREE (INGRESS OF SOLID OBJECTS AND WATER)

SINTHESI S2
i 9

Digital version with control panels and bright display

Name tag replacement, electrical measurements and audio adjustments possible with no need to access the wiring area

Back-lighted name tags and buttons

Camera module

Call feedback with LED turning on

Possible addition of digital modules or access control modules

MAIN FEATURES

> ALUMINIUM BODY WITH POLISHED STEEL FINISH
> COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
> COLOUR CAMERA
> GREEN BACKLIGHTING
> MECHANICAL IMPACT RESISTANCE DEGREE: IK09
> IP42 DEGREE (PROTECTION AGAINST SEEPAGE OF SOLID OBJECTS AND WATER)

925
i 8

MAIN FEATURES

> FLUSH ENTRY PANEL FOR FLUSH MOUNT / SURFACE WALL MOUNT
> ALUMINIUM FRONT PANEL
> COMPACT SIZE
> IP33

REFERENCES

1708/1

COLOUR VIDEO DOORPHONE - BRACKET

1708/1		NEXO 7″ hands-free audio monitor for surface wall mount (bracket included)
1708/955		Bracket for 5-wire systems

1740/40

COLOUR VIDEO DOORPHONE WITHOUT BRACKET

1740/40		Signo monitor. 4″ TFT colour monitor with microtelephone, white
1740/18		Signo monitor. Same specification as ref. 1740/1 but for 60 Hz systems
1740/955		Bracket for 5-wire systems for Signo doorphone

1+N AUDIO LOUDSPEAKING UNITS

1145/67	Audio loudspeaking unit for Sinthesi S2 e Sinthesi Steel entry panel
1145/510	Sinthesi S2 loudspeaking unit powered 12Vca
1035/67	Audio loudspeaking unit for 925, Exigo entry panel

CAMERA MODULE WITH/WITHOUT INTEGRATED LOUSPEAKING UNIT FOR 5WIRE SYSTEM

1748/22		Sinthesi S2 colour camera module with integrated loudspeaking unit and 2 buttons (2 modules)
1748/40		Sinthesi S2 colour camera module
1748/49		Colour wide-angle camera for Sinthesi S2 panel Same specification as ref. 1748/40 but for 60 Hz systems
1758/40		Colour wide-angle camera for Sinthesi Steel panel
1758/49		Colour wide-angle camera for Sinthesi Steel panel Same specification as ref. 1758/40 but for 60 Hz systems
1810/40		Colour camera module for Exigo entry panel to be used in combination with 1742/13A board
1810/70		B/W camera module for Exigo entry panel to be used in combination with 1742/13A board
725/600		B/W camera module for Mod.925 entry panel to be used in combination with 1742/13A board.

NOTE: in order to complete an entry panel with frame, pushbutton modules, embedding box and accessories
please refer to page 85

1748/22

1758/40

BRACKET DOORPHONE POWER SUPPLY UNIT

786/12	Device with call generator to be used in basic 4+n doorphone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/14, 786/38. Dimensions: (HxLxP) 61 x 54 x 90
789/6B	Used for powering video doorphone systems with electronic call. Provided with selfresetting PTC protection, adjustable timer and call generator. Device 786/51 is needed in intercom systems. Dimensions: (HxLxP) 180 x 75 x 97

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SIGNO DOOR PHONE AND VIDEO DOOR PHONE ACCESSORIES

1740/92	⦿	**Transparent Plexiglas table stand kit for Signo video doorphone.**
		With socket and 1,5m long wire, for use with brackets without button add-on.
		Dimensions (HxWxD) mm 222x185x152

1740/93		**Transparent plexiglas table stand kit for Signo video doorphone with add-on**
		With socket and 1,5m long wire, for use with brackets with button add-on.
		Dimensions (W x H x D) mm 152 x 222 x 190.

1740/92

ACCESSORIES FOR 5-WIRE VIDEO SYSTEMS

| 1742/13A | **Camera adapter device** |
| | This is used to adapt a camera with video signal on coax cable in VOP systems |

955/40	**4 output video distributor for 5-wire systems**
	Distributes video signal to floor; power at 15-18Vdc.
	Dimensions: (W x H x D) 95 x 64 x 28 mm

| 1035/25 | **Conversation privacy device for Mod. 725 entry panels** |
| | One every four users |

| 1110/74 | **Conversation privacy device for Sinthesi and K-steel entry panels** |
| | One every four users. |

| 1158/74 | **Conversation privacy device for Exigo entry panels** |
| | One every four users. |

9854/56	**Additional electronic buzzer for Signo video doorphone**
	Installed on monitor bracket, it acts as an additional chime to differentiate calls.
	Power supply: 12 Vdc; current draw during call 60 mA.

9854/53	**Supplementary ringer**
	Suitable for use as supplemenary ringer in electronic and traditional call systems.
	Dimensions: 80 (W) x 80 (H) x 32 (D) mm

5WIRE SYSTEM BASE KIT

| 1748/795 | Two family colour 5wire Kit with Sinthesi S2 panel (Video door phone supplied separately) |

The kit includes:

- **1748/22** colour camera module with integrated loudspeaking unit and 2 buttons
- **1145/52** one module flush-mounting box
- **1148/62** one-module Sinthes S2 frame
- **789/5B** video power unit
- **1748/107** Sinthesi S2 1-module front panel with one button

789/5B   SINTHESI S2
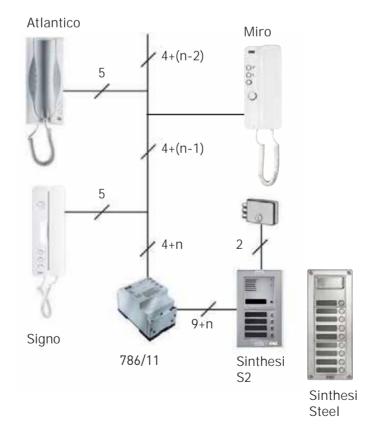
4+N
SYSTEM

4+n

With 4+n systems it is possible to create a system using 4 common wires plus n wires inside the riser, where n is the number of calls to manage. Furthermore, the 4+n system allows to use door phones with traditional call (on 12 Vac buzzer) or with electronic call (the loudspeaker of the same door phone is used to emit the calling sound) and to build systems in which the intercom service with conversation secrecy towards the outdoor station or systems with multiple inputs and automatic switching are required.

Atlantico

Miro

4+(n-2)

5

4+(n-1)

5

4+n

2

Signo

9+n

786/11

Sinthesi
S2

Sinthesi
Steel

urmet

APARTMENT STATIONS

MIRO AUDIO

> [!box] **i** 4

Auxiliary function buttons:
second gate opening,
staircase lights,
video auto-on function

Two colour led for
Mute function, main
door open, automatic
door opening

Backlit door
opening button

MAIN FEAUTURES

> HIGH GLOSS FINISH (WHITE VERSION)
> TOTAL FLAT MINIMUM DIMENSIONS
> MICRO RECEIVER WITH PHONE PLUG
> ELECTRONIC CALL ON LOUDSPEAKER
> PROVISION FOR INSTALLATION WITH 503 FLUSH-
   MOUNTING BOXES AND ROUND 60 MM DIA

SIGNO AUDIO

> [!box] **i** 5

Backlit door
opening button

Auxiliary function buttons:
second gate opening,
staircase lights,
video auto-on function

MAIN FEAUTURES

> HIGH GLOSS FINISH (WHITE VERSION)
> TOTAL FLAT MINIMUM DIMENSIONS

ATLANTICO

> [!box] **i** 5

Backlit door
opening button

Buttons for
supplemental services

Buttons for
supplemental
services

MAIN FEAUTURES

> ERGONOMIC HANDSET
> HANDSET WITH TELEPHONE CABLE AND CONNECTOR

1130

> [!box] **i** 6

Possible set-up for three
supplementary service buttons

Door opening button
with coloured indicator

MAIN FEAUTURES

> THE PLEASURE OF TRADITION
> USABLE IN TRADITIONAL DOORPHONE SYSTEMS WITH BUZZER
> AVAILABLE IN WHITE AND IVORY VERSIONS
> SUITABLE FOR REPLACING 1030, 930 AND 730 MODELS
   IN EXISTING SYSTEM

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ENTRY PANELS AND ACCESSORIES

COMMUNICATION KIT

TELEPHONY

ENTRY
PANELS

EXIGO

Colour-matched
nuts and bolts

High visibility
back-lighted name
tag

Top-quality
finishes

www.prodeltorino.it

MAIN FEATURES

> PVD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT
  ON HIGH-QUALITY BRASS FRONT COVERS WITH 3 MM THICKNESS
> CUSTOMISED FINISHES (POLISHED AND SATIN BRASS,
  COLOUR FINISHES: CHROME STEEL, GUN METAL GREY
  COPPER BRONZE, MICACEOUS IRON, ETC.)

SINTHESI STEEL

i 10

Digital version
with control
panels and bright
display

Call feedback
with LED
turning on

Name tag
replacement,
electrical
measurements
and audio
adjustments
possible with no
need to access the
wiring area

Possible addition
of digital modules
or access control modules

Back-lighted name
tags and buttons

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MAIN FEATURES

> VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
> COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
> WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS
> MECHANICAL IMPACT RESISTANCE DEGREE: IK09
> IP45 PROTECTION DEGREE
  (INGRESS OF SOLID OBJECTS AND WATER)

SINTHESI S2

i 9

Digital version
with control
panels and
bright display

Call feedback
with LED turning
on

Name tag
replacement,
electrical
measurements
and audio
adjustments
possible with no
need to access the
wiring area

Possible addition
of digital
modules
or access control
modules

Back-lighted
name tags
and buttons

MAIN FEATURES

> ALUMINIUM BODY WITH POLISHED STEEL FINISH
> COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
> GREEN BACKLIGHTING
> MECHANICAL IMPACT RESISTANCE DEGREE: IK09
> IP42 DEGREE (PROTECTION AGAINST SEEPAGE
  OF SOLID OBJECTS AND WATER)

925

i 8

MAIN FEATURES

> FLUSH ENTRY PANEL FOR FLUSH MOUNT / SURFACE WALL MOUNT
> ALUMINIUM FRONT PANEL
> COMPACT SIZE
> IP33

urmet

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COMMUNICATION KIT

TELEPHONY

MIRO DOOR PHONE		
1150		Miro doorphone set up without supplementary buttons. White
1150/1		Miro doorphone set up with three supplementary buttons. White

1150/1

SIGNO DOOR PHONE		
1140/1		Doorphone set up with three supplementary buttons, of which one is already available. White
1140/12		Doorphone with 10 supplementary buttons for intercom calls. White

1140/1

ATLANTICO DOOR PHONE		
1133		Basic doorphone without supplementary buttons. White
1133/1		Doorphone set up with three supplementary buttons, of which one is already available. White
1133/10		Doorphone with voice on button on handset. White
1133/20		Doorphone with switch and two LEDs for indicating door open conditions (red LED and call diverter (green LED). White

1133

1130 DOOR PHONE		
1130/1		Doorphone set up with three supplementary buttons, of which one is already available. Ivory
1130/50		Basic doorphone without supplementary buttons. White
1130/55		Basic doorphone with audio button on handset. White

1130/1

REFERENCES

824/500

4+N LOUDSPEAKING UNIT	
824/500	**Slim audio loudspeaking unit for Exigo entry panel**
1145/500	**Audio loudspeaking unit for Sinthesi S2 and Sinthesi Steel entry panel**
1145/510	**Sinthesi S2 and Sinthesi Steel loudspeaking unit powered 12Vca**
1128/500	**Audio loudspeaking unit for Mod. 925, Exigo entry panels**
1128/510	**Audio loudspeaking unit for Mod. 925, Exigo entry panels, 12 Vac power**
5150/53	**3-wire audio loudspeaking unit for Mod. 925 / Exigo entry panel**

NOTE: in order to complete an entry panel with frame, pushbutton modules, embedding box and accessories
please refer to page 85

5150/53

MIRO DOOR PHONE ACCESSORIES	
1150/50	**Table-top kit for MIRO' door phones, white colour.** Provided with socket and 1.5m wire.
1150/51	**Frame for MIRO' doorphone** To cover the old doorphone footprint replaced
1150/55	**8-button add-on kit for Miro doorphone.** For use with doorphones ready for fitting supplementary buttons. White colour
9854/56	**Additional electronic buzzer for Signo video doorphone** Installed on monitor bracket, it acts as an additional chime to differentiate calls. Power supply: 12 Vdc; current draw during call 60 mA.

1140/50

SIGNO DOOR PHONE ACCESSORIES	
1140/50	**Transparent plexiglas table stand kit for Signo video doorphone with socket and 1.5 m wire** Provided with socket and 1.5m wire. Dimensions (W x H x D) mm 200 x 95 x 158
1140/51	**Transparent plexiglas table stand kit for Signo doorphone with button add-on 1140/12** Provided with socket and 1.5m wire. Dimensions (W x H x D) mm 200 x 110 x 158
1140/56	**Mute button kit and two LEDs for doorphone** This is used to transfer the call to a second device, to check if the entrance door is open and to automatically open a lock after receiving a call
1140/53	**Adjustable calling volume kit for Signo doorphone** Insert in doorphone to adjust calling volume intensity to three positions:min, medium, max.
1140/55	**8-button add-on kit for doorphone** For use with doorphones ready for fitting supplementary buttons. White colour
9854/55	**Supplementary electronic buzzer for Signo doorphone** Fitted inside the doorphone, can be used as supplementary ringer for differentiating calls. Power: 12Vcc; calling consumption 60mA

1140/53

ATLANTICO DOOR PHONE ACCESSORIES	
1133/50	**Table-top kit for video doorphones, white** Provided with socket and 1.5 m long wire
1132/53	**Adjustable calling volume kit for doorphone** Insert in doorphone to adjust calling volume intensity to three positions: min, medium, max
1133/55	**10-button add-on kit for doorphone** For use with doorphones ready for fitting supplementary buttons. White
9854/56	**Additional electronic buzzer for Signo video doorphone** Installed on monitor bracket, it acts as an additional chime to differentiate calls. Power supply: 12 Vdc; current draw during call 60 mA.

9854/56

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TELEPHONY

1130 ACCESSORIES

1130/120		**Table-top kit and 12-wire cord** White
1130/100	📷	**10-button add-on kit for doorphone** For use with doorphones ready for fitting supplementary buttons. Colour: ivory
9854/56	📷	**Supplementary electronic buzzer** Fitted on bracket inside the doorphone, can be used as supplementary ringer for differentiating calls. Power: 12Vcc; calling consumption 60mA

1130/100

4+N SYSTEM ACCESSORIES

1131/4	**10 diode box** For use in 4+n audio and coax systems with intercom function.
9854/43	**Supplementary ringer** **Suitable for use as supplemenary ringer in electronic and traditional call systems.** Dimensions: 80 (W) x 80 (H) x 32 (D) mm

4+N AUDIO KIT

1150/301	📷	One-family 4+n wire kit with Miro door phone and Sinthesi S2 panel
1150/302	📷	Two-family 4+n wire kit with Miro door phone and Sinthesi S2 panel

The kit includes:

- **1150/1** Miro door phone
- **786/11** audio power unit
- **1148/61** Sinthesi S2 frame
- **1145/51** fluh-mounting box
- **1145/500** Loudspeaking unit
- Button module **1148/21** (for 1150/301 kit) o **1148/22** (for 1150/302 kit)

9854/56
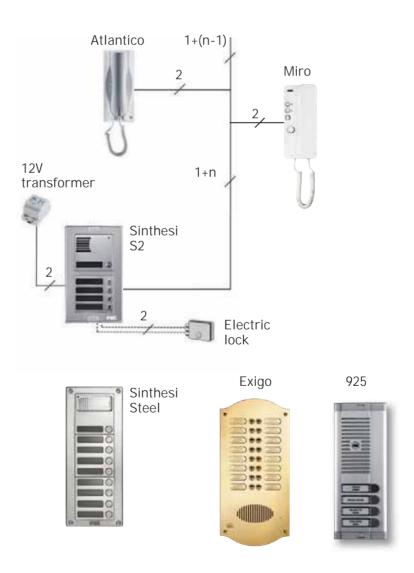
MIRO AUDIO   **SINTHESI S2**

For power supply and relay see page 78

1+N
SYSTEM

Advantages and applications:

Ideal for transforming a typical door bell system into complete doorphone system without needing to add wires to the riser column.

Conversation privacy guaranteed between apartments.

Atlantico   1+(n-1)

2   Miro

2

12V
transformer   1+n

2   Sinthesi
S2

2   Electric
lock

Sinthesi
Steel   Exigo   925

APARTMENT STATIONS

MIRO AUDIO

Auxiliary function buttons: second gate opening, staircase lights, video auto-on function

Backlit door opening button

Two-colour LED for Mute function, door open indicator, automatic door opener

MAIN FEAUTURES

> HIGH GLOSS FINISH (WHITE VERSION)
> TOTAL FLAT MINIMUM DIMENSIONS
> MICRO RECEIVER WITH PHONE PLUG
> ELECTRONIC CALL ON LOUDSPEAKER
> PROVISION FOR INSTALLATION
  WITH 503 FLUSH-MOUNTING BOXES
  AND ROUND 60 MM DIA. BOXES

ATLANTICO

Backlit door opening button

buttons for supplemental services

buttons for supplemental services

MAIN FEAUTURES

> ERGONOMIC HANDSET
> HANDSET WITH TELEPHONE CABLE AND CONNECTOR

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ENTRY
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EXIGO

Colour-matched nuts and bolts

High visibility back-lighted name tag

Top-quality finishes

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SINTHESI STEEL

i 10

Digital version with control panels and bright display

Call feedback with LED turning on

Name tag replacement, electrical measurements and audio adjustments possible with no need to access the wiring area

Possible addition of digital modules or access control modules

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925

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> ALUMINIUM FRONT PANEL
> COMPACT SIZE
> IP33

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REFERENCES

MIRO DOOR PHONE

1150/35 Doorphone set up with three supplementary buttons. White

ATLANTICO DOOR PHONE

1133/35A Doorphone set up with three supplementary buttons, of which one is already available. White

1+N AUDIO LOUDSPEAKING UNITS

| 1145/67 | Audio loudspeaking unit for Sinthesi S2 e Sinthesi Steel entry panel |
| 1035/67 | Audio loudspeaking unit for 925, Exigo entry panel |

1150/35

1+N SYSTEM ACCESSORIES

1035/25	Conversation privacy device for Mod. 725 entry panels One every four users
1110/74	Conversation privacy device for Sinthesi and K-steel entry panels One every four users.
1158/74	Conversation privacy device for Exigo entry panels One every four users.
9854/43	Supplementary ringer Suitable for use as supplemenary ringer in electronic and traditional call systems. Dimension: 80 (W) x 80 (H) x 32 (D) mm

ATLANTICO ACCESSORIES

1133/50	Table-top kit for video doorphones, white Provided with socket and 1.5 m long wire
1132/53	Adjustable calling volume kit for doorphone Insert in doorphone to adjust calling volume intensity to three positions: min, medium, max
9854/56	Additional electronic buzzer for Signo video doorphone Installed on monitor bracket, it acts as an additional chime to differentiate calls. Power supply: 12 Vdc; current draw during call 60 mA.

1133/35A

MIRO ACCESSORIES

1150/50	Table-top kit for MIRO' door phones, white colour. Provided with socket and 1.5m wire.
1150/51	Frame for MIRO' doorphone To cover the old doorphone footprint replaced
1150/55	8-button add-on kit for Miro doorphone. For use with doorphones ready for fitting supplementary buttons. White colour
9854/56	Additional electronic buzzer for Signo video doorphone Installed on monitor bracket, it acts as an additional chime to differentiate calls. Power supply: 12 Vdc; current draw during call 60 mA.

POWER SUPPLY UNIT / ACCESSORIES

DOORPHONE POWER SUPPLY UNIT

Code	Dimensions (HxWxD) mm	DIN mod.	Electrical specifications	No. of devices called in parallel	Notes
786/11	61 x 54 x 90	3	Power: 230Vac Audio circuit: 6Vdc@0.12A Electric lock power12Vdc@2A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device with call generator to be used in basic 4+n doorphone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/1, 786/14, 786/38 and 9006/1.
786/12	61 x 54 x 90		Power: 110Vac Audio circuit: 6Vdc@0.12A Electric lock power12Vdc@2A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device with call generator to be used in basic 4+n doorphone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/14, 786/38.
786/13	61 x 90 x 108	6	Power: 110Vac Audio circuit: 6Vdc@0.12A Electric lock power12Vdc@2A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device with call generator to be used in basic 4+n doorphone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/14, 786/38 and 9006/1.
786/15	61 x 90 x 108	6	Power: 230Vac Audio circuit: 6Vdc@0.12A Electric lock power12Vdc@2.4A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Relay contact capacity (7-8-9): 5A @ 12Vac Relay contact cap. 1-2-3 and 4-5-6): 5A @ 12Vac Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device for 4+n systems provided with relay for automatically switching 2 inputs or one input and intercom. Two call generators are present for differentiated calls between services. Replaces 786/5 and 9006/5 power units
9000/230	54 x 83 x 58,5	3	Power: 230Vac Secondary output: 12Vac@1.3A Transformer power: 18 VA	2 with traditional call	Transformer provided with PTC self-resetting protection in event of short-circuit.

Type-approval: IMQ-CE- CEI EN 60065 (except for code 786/11 which is IMQ-CE- VDE CEI EN 60065 approved)

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TELEPHONY

VIDEO DOORPHONE POWER SUPPLY UNIT

Code	Dimensions (HxWxD) mm	DIN mod.	Electrical specifications	Functions	Notes
789/5B	180 x 75 x 97	10	Power: 230Vac Audio circuit: 6Vdc@0.2A Electric lock power12Vdc@2A Tone generator: 8Vpp Consumption: 200mA Timed output: 18Vdc@0.85A; 16Vdc@0.23Vac Timer: 45-180s Power dissipated after one hour of work: 5.7 W Transformer power: 38VA	The device allows to: - call up to 4 devices with electronic call - switch on one Arco monitor or two Imago/Signo/Utopia monitors at the same time.	Used for powering video doorphone systems with electronic call. Provided with selfresetting PTC protection, adjustable timer and call generator. Device 786/51 is needed in intercom systems.
789/6B	180 x 75 x 97	10	Power: 110Vac Audio circuit: 6Vdc@0.2A Electric lock power12Vdc@2A Tone generator: 8Vpp Consumption: 200mA Timed output: 18Vdc@0.85A; 16Vdc@0.23Vac Timer: 45-180s Power dissipated after one hour of work: 5.7 W Transformer power: 38VA	The device allows to: - call up to 4 devices with electronic call - switch on one Arco monitor or two Imago/Signo/Utopia monitors at the same time.	Used for powering video doorphone systems with electronic call. Provided with selfresetting PTC protection, adjustable timer and call generator. Device 786/51 is needed in intercom systems.
789/3	126 x 75 x 97	7	Power: 230Vac Consumption: 200mA Timed output: 18Vdc@ 1.35A Power dissipated after one hour of work: 5.7 W Transformer power: 38VA	The device is used to switch on two Arco monitors or three Imago/Signo/Utopia monitors at the same time.	Used in combination with 789/5B with local power supply to switch on various video door phones at the same time. Replaces power supply unit 7073/5.

RELAY BOXES, TONE GENERATORS, TIMERS AND LINE PROTECTIONS

Code	Dimensions (HxWxD) mm	DIN mod.	Electrical specifications	Notes
788/51	108 x 90 x 55	6	Power: 12Vdc Consumption: 0.18A@12Vac Relay contact capacity (7-8-9): 5A@12Vac Max. contact power: 1A@12Vac	Relay used to manage 2 audio/video loudspeaking units or 1 audio/video loudspeaking unit and automatic switching intercom service. Provided with 5 outputs, replaces relays 9332/1 788/1 and 4340/11.
788/54	216 x 90 x 64	12	Power: 12Vdc Consumption: 0.18A@12Vac Max. relay contact power: 5A@30V Max. contact power: 2A@100V	Relay used to manage up to 4 audio/video loudspeaking units or 1 audio/video loudspeaking unit and automatic switching intercom service. Provided with 5 outputs, replaces relay 788/4.
788/58	108 x 90 x 55	6	Power: 12Vdc Consumption: 0.18A@12Vac Max. relay contact power: 5A@30V Max. contact power: 2A@100V	Relay used to manage up to 4 audio/video loudspeaking units or 1 audio/video loudspeaking unit and automatic switching intercom service. Provided with 4 outputs, replaces relays 788/8 and 9332/8.
788/52	54 x 64 x 90	3	Power: 12Vac Consumption: 0.18A@12Vac Max. relay contact power: 5A@30V	Relay used for repeating electronic/traditional calls or control a second electric lock. Provided with 2 outputs, replaces relays 788/11-788/21-788/30 and 788/5. For fixing to the wall using kit 786/50.
788/22	47 x 58 x 15	-	Power: 12Vac Consumption: 200mA@12Vdc Max. relay contact power: 5A@12Vac Timer 1-30s	Relay used for repeating electronic/traditional calls. It is provided with an output and can be installed inside the doorphone.
1032/81	72 x 90 x 75	4	Power: 12-24Vdc/Vac Consumption: 200mA@12Vdc Max. relay contact power: 5A@12Vac	Electric lock timer
1083/69	120 x 120 x 55	-	Power: 12-24Vdc/Vac Consumption: 300mA	Video switch for cyclically switching up to 4 CCTV cameras to a single output.
789/51	36 x 75 x 103	2	Power: 6Vdc Consumption: 50mA	Electronic impedance to be used in combination with the 789/5B power supply unit with coaxial and intercom service.
787/1	75 x 72 x 103	4	Power: 12Vac Consumption: 250mA@12Vac	Tone generator to be used for repeating electronic calls in 4+n audio systems and coax video systems. Calls two devices at the same time.
787/2	75 x 72 x 103	4	Power: 12Vac Consumption: 250mA@12Vac	Tone generator to be used for repeating electronic calls in 1+n audio systems and 5-wire video systems. Calls two devices at the same time.
1382/85	36 x 90 x 58	2	Max. load: 4000VA Max. current: 20A	230Vac power line protection device. To be used near the device to be protected.
1332/86	37 x 90 x 58	3	Max. load: 4000VA Max. current: 20A dB attenuation: 60dB@2MHz	Radiofrequency filter on 230Vac feeding line. To use in case of radiofrequency interference on the system.

RINGERS

Urmet has a complete range of traditional ringers, compatible with all system types.
Mistral integrates the range with a series of amplified ringers which can emit a flash of light. All wireless: for installation convenience because no wire connections are needed, particularly appreciated when working on existing systems.

Furthermore, the wireless solution means that portable receivers can be used: these are particularly useful for villa or condo superintendents, convalescents and for convenient use.
The wireless ringer reception range reaches 150 or 200 metres according to the model.

TRADITIONAL RINGERS

Codice	2Voice	IperVoice	Digivoice	Coax	5 fili	4+n	1+n	Notes
1072/59	YES	YES	YES	NO	NO	NO	NO	Emits a three-note tone and can be customised. 9Vdc battery needed.
9854/43	YES	NO	NO	SÌ	YES	YES (traditional call)	NO	

Dimensions (W x H x D) 80 x 80 x 32 mm

Mistral wireless ringers

The ring tone can be chosen. Repeater function: the distance between ringer and calling button can be increased by connecting a calling button on a second wireless ringer. By using a call repeater 4311/13, a call can be repeated to a Mistral ringer installed in any system. Transmission frequency: 868.35Mhz. Alarm function: press the transmitted button for longer than 2s to generate an alarm signal which is different from the chosen sound.

4311/701*	**Mistral kit with call repeater and wireless ringer**
	The kit includes a repeater 4311/13 and a ringer with range of 100 m and choice of three ring tones.

* Contact the sales network for availability.

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DUO HANDS FREE SYSTEM

COD. **752**

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MAIN FEAUTURES

> **DUO**: TWO CALL-SWITCHING PANELS WITH CONVERSATION PRIVACY FUNCTION AND WIRE IN COLUMN

Versatile solutions. **Duo hands-free** sends the call from entry panel to apartment station speaker, allows two-way communication and operates the door lock in addition to other supplementary services.

752/33

752/20

1148/70

DUO APARTMENT STATIONS

752/33	**Utopia Duo hands-free mod. 752. Material: white ABS** Provide with door opening button, audio button, supplementary service button, adjustable call volume with open door mute and LED indicators. Full-Duplex operation. May replace Superjolly doorphone Ref. 4340/23 with the addition of a buzzer Ref. 9854/52. Suitable for wall-mounting or flush-mounting using box Ref. 752/60. Wall-mounted installation dimensions: 88 (W) x 155 (H) x 40 (D) mm. Flush-mounted installation, including frame: 128 (W) x 230 (H) x 13 (D) mm.

DUO HANDS FREE SYSTEM

COD. **752**

9854/43

788/51

752/20

1148/70
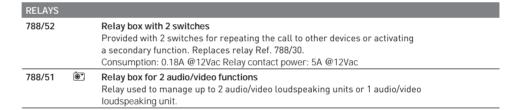
ACCESSORIES		
752/60	**Flush-mounting box with Utopia Duo wall frame**	
	This is used to install the Duo hands-free doorphone Ref. 752 flushed with the wall. Flush-mounting box dimensions: 209 (W) x 104 (H) x 32 (D) mm Frame dimensions: 128 x 230 (W x H) mm.	

SUPPLEMENTARY RINGERS		
9854/43	**Supplementary ringer**	
	Suitable for use as supplemenary ringer in electronic and traditional call systems Dimensions: 80 (W) x 80 (H) x 32 (D) mm	
9854/56	**Supplementary electronic buzzer**	
	Suitable for use as supplementary ringer in electronic and traditional call systems. Insert in doorphone or in video doorphone bracket. Consumption: 60 mA @ 12Vac; 15 mA @ 12Vdc Power: 12Vdc or 12Vac	

RELAYS		
788/52	**Relay box with 2 switches**	
	Provided with 2 switches for repeating the call to other devices or activating a secondary function. Replaces relay Ref. 788/30. Consumption: 0.18A @12Vac Relay contact power: 5A @12Vac	
788/51	**Relay box for 2 audio/video functions**	
	Relay used to manage up to 2 audio/video loudspeaking units or 1 audio/video loudspeaking unit.	

POWER SUPPLY UNIT		
752/20	**Power unit for Duo audio speaker doorphone system**	
	Provided with built-in call tone generator and Int-Ext audio signal amplifier. Suitable for use in Duo speaker doorphones. May replace power unit 4340/20. Provided with built-in call tone generator and Int-Ext audio signal amplifier. Power: 110 - 230 Vac - 50/60 Hz. Transformer power: 28 VA. Dimensions: 9 DIN modules, 162 (W) x 108 (H) x 75 (D) mm	

MICROPHONE MODULES AND SPEAKER WITH LOUDSPEAKING UNIT		
1148/70	**Sinthesi S2 microphone module for Duo speakerphone audio system**	
	For use in Duo speakerphone systems only with built-in microphone. Module dimensions: 90 (W) x 90 (H) mm. Degree of protection: IP42.	
1148/75	**Sinthesi S2 speaker module for Duo speakerphone audio system**	
	For use in Duo speakerphone systems only with built-in speaker. Module dimensions: 90 (W) x 90 (H) mm. Degree of protection: IP42.	

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INTERCOM

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COMMUNICATION KIT

TELEPHONY

COD. **8202**

i 7

MAIN FEAUTURES

> COMMUNICATIONS
RUN ON THE ELECTRIC WIRE

Intercom power line communication device for establishing communications between devices.

POWER LINE COMMUNICATION INTERCOM MOD. 8200

8202/1   ⬛   **Two-channel Power Line Communication intercom, grey**
These Power Line Communication intercoms modulate the audio signal and transmit it through the electrical mains lines at 230Vac. Simply plug the intercom into a normal power socket to communicate with the other intercoms connected to the same mains and the same phase.
Power: 230Vac - 50Hz Installation: table-top.
Dimensions: 140 (W) x 140 (H) x 42 (D) mm.
Weight: 450 g.

8202/1

8203/1   ⬛   **Three-channel Power Line Communication intercom, grey**
These Power Line Communication intercoms modulate the audio signal and transmit it through the electrical mains lines at 230Vac. Simply plug the intercom into a normal power socket to communicate with the other intercoms connected to the same mains and the same phase.
Power: 230Vac - 50Hz Installation: table-top.
Dimensions: 186 (W) x 130 (H) x 42 (D) mm.
Weight: 450 g.
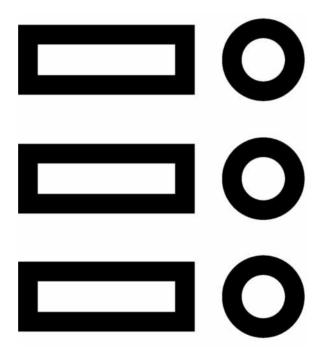
8203/1

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ENTRY PANELS AND ACCESSORIES

ELEKTA
ELEKTA STEEL
TITANIUM
EXIGO E EXIGO DIGITAL
SINTHESI STEEL
SINTHESI S2
925
MIKRA
MIKRA EXIGO

TECHNOLOGY, ELEGANCE, CUSTOMIZABLE FEATURES

**SOLUTIONS
FOR ALL STYLES:
HIGH-CLASS
DELUXE
RESIDENTIAL**

The Urmet entry panels are simple and easy to install. They are compatible with all system types and have styles for all market needs.

ELEKTA
Technology
advancement
is here and now
Pag. 36, 50

ELEKTA STEEL
The very best under
every respect
Pag. 36, 50

TITANIUM
Renovate with elegance
Pag. 37, 51, 60, 65

ELEKTA STEEL in PVD - www.prodeltorino.it

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EXIGO e EXIGO DIGITAL
Historical town centres, historic buildings
and luxury homes
Pag. 88

SINTHESI STEEL STEEL in PVD
www.prodeltorino.it

SINTHESI STEEL
Sturdy style
Pag. 102

SINTHESI S2
Naturally modular
Pag. 106

925
Neat design that stems
from tradition
Pag. 112

MIKRA
Sturdiness in micro dimensions
Da pag. 122

MIKRA EXIGO
Simple and sophisticated
Da pag. 122

titanium

Titanium is the dedicated call module video panel compatible with 2VOICE and IPERVOICE systems. It is suited for flush mounting with dedicated embedding box. Titanium panel finishing and shape are customizable to fit in the best way inside the building structure.

Two finishings are available polished and satin. Titanium panel size and shape are also customizable to eventually fit with existing embedding box and avoid expensive hand-work on the wall.

MAIN FEAUTURES

> 2VOICE VANDAL-PROOF CALL MODULE
> 3MM THICKNESS SINGLE BLOCK STRUCTURE PANEL
> AVAILABLE IN SATIN AND POLISHED FINISHING
> ANTIOXIDATION TREATMENT

> CUSTOMIZABLE (SHAPES, ENGRAVING,SIZES, FINISHINGS)
> EVENTUALLY ADAPTABLE TO EXISTING EMBEDDING BOX
> INTEGRATION OF URMET GROUP ELECTRONIC IN A SINGLE BLOCK STRUCTURE PANEL

COMPATIBLE WITH

iPer voice   2voice

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THE VANDAL-PROOF ENTRY PANELS THAT ARE ADAPTABLE TO EXISTING EMBEDDING BOXES

PRODEL
URMET GROUP

Prodel is an Urmet Group company based in Turin and specialized in custom panels.
Prodel controls 100% of manufacturing process from design to manufacturing of custom panels based on electronic from Urmet Group to fit various customer demands.
In IperVoice systems Titanium panel allows to have minimum depth panel with only 3 mm out of the wall.

Titanium can integrate in the same panel electronic from different Urmet Group companies, e.g. FDI keypand can joined to Urmet Mikra video call module.
TITANIUM product line resumes on the same panel the highest quality and elegance available in the market and customization requirement to fit in the best way with customer demands, avoiding expensive hand-work on the wall.

www.prodeltorino.it

exigo

PRODEL
URMET GROUP

MAIN FEAUTURES

> COMPATIBLE WITH DIGITAL 2VOICE SYSTEM AND ALL ANALOGUE SYSTEMS
> PVD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT ON AUDIO AND VIDEO VERSIONS, FOR BOTH CLASSIC AND SPECIAL MODELS
> POLISHED AND SATIN-FINISHED BRASS

> CUSTOMIZED FINISHES (POLISHED AND SATIN-FINISHED BRASS, COLOUR FINISHES: STEEL-CHROME, GUN-METAL GREY, COPPER BRONZE, MICACEOUS IRON, ETC)
> RETROFITS TO ALL URMET ENTRY PANELS AND TO THIRD-PARTY ENTRY PANELS AT REQUEST

COMPATIBLE WITH

| 2 VOICE | iPer voice | COAX | 5 WIRES | 4 +N | 1 +N |

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exigo DIGITAL

PRODEL
URMET GROUP

In contemporary buildings and large residential complexes, the use of entry panel call modules with electronic directory instead of traditional key entry panels is increasingly becoming necessary. Urmet, again in cooperation with its subsidiary

company Prodel, is able to provide an ideal solution, with a wide range of models that complete the range of entry panels. The result perfectly combines the technology of the most advanced Urmet communication systems with the style and reliability of

Exigo entry panels, marking the birth of the new range of Exigo Digital products. The various models may be customised both in shapes and in dimensions. Again, the following colours are available: PVD BRASS, PVD GUN METAL GREY, PVD

COPPER BRONZE, CHROME STEEL AND MICACEOUS IRON In addition to the call module, it is possible to combine static directory modules in the same shapes and colours, which allow to list the available users, speeding up the use.

COMPATIBLE WITH

2VOICE | Per voice

www.prodeltorino.it

STYLISH, TECHNOLOGICAL, OXIDISATION-PROOF: PVD PUSH BUTTON PANEL BY PRODEL

PRODEL
URMET GROUP

THIRD-PARTY
ENTRY PANEL **>** EXIGO

IDEAL FOR:
ANCIENT BUILDINGS
RENOVATED
BUILDINGS
DETACHED HOUSES
SEMI-DETACHED
HOUSES

Elegance is the balance of character and refinement. Elegance is Exigo which, with its fluid, classical shapes, high quality material and special finishes, is the ideal panel to add a touch of style to historical buildings and places of architectural interest: in the heart of cities, where appearance is fundamental and where modern communication systems are a must. This is why Exigo blends traditional design and stateof-the-art technology, integrating solutions compatible with all

system types - audio, video, analogue, digital, including the new 2Voice two non-polarised wire system - with all the functions you need.

Exigo is addressed to users who love to choose among endless options: many finishes, in polished and satin-finished brass, and the new colour finishes from the Special series; flexible options for the engravings of name labels (available in two materials - brass and anthracite PVC) and front panels, with a choice of 2

characters. What about back-lighting? Stylish white back-lighting is provided by high-efficiency LEDs.

Classiness is timeless: this is why Urmet has made a range of panels that is guaranteed to stand up to the test of time. Quality materials and high-tech solutions have made it possible to reach this objective: rough brass panels are subjected to galvanic treatment followed by PVD. PVD - Physical Vapour Deposition - consists of coating the object with

an electrochemical titanium treatment to confer the top robustness and resistance to elements and wear over time. In this manner, Urmet brass panels remain as new, year after year, like the first day.

The same high standard of care is found in details, such as the labels mounted on the reverse side for improved aesthetics and enhanced vandal resistance.

MAIN FEAUTURES

> CORROSION-PROOF
> OXIDISATION PROOF
> UTMOST WEATHER RESISTANCE
> PVD
> WHOLE SURFACE IS TREATED INCLUDING
   BUTTONS, LABELS AND SCREWS

PVD
TREATMENT

PVD treatment by **Prodel**

Urmet, thanks to its subsidiary Prodel, is the only company of the sector which performs in-house the whole PVD production cycle. This allows the company to offer products with extremely reduced delivery times and with the most competitive prices on the market.
Moreover, only the internal production control allows to offer the maximum quality and the optimum treatment performance.

www.prodeltorino.it

DOUBLE TREATMENT BY ELECTROCHEMICAL TITANIUM PVD AND ELECTRO-PLATING

- Electro-chemical titanium PVD treatment
- Electro-plating
- Front panel fully made from top-quality watchmaking brass

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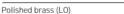
MAIN FEAUTURES

> AUDIO AND VIDEO ANALOGUE AND DIGITAL SOLUTIONS, 1 OR 2 ROWS
> CAN BE USED WITH FLUSH-MOUNTING BOXES MOD 1145 WITH 1 UP TO 10 BUTTONS
> COMPATIBLE WITH CERTAIN FLUSH-MOUNTING BOXES MOD. 625*
> 3 TO 20 BUTTONS

Polished brass (LO)   Satin-finished brass (SO)

* For more information, please contact the Urmet sales network, visit www.prodeltorino.it or call +39 011 2484103.

Exigo

Available from stock in the 1 to 20-buttons audio and video versions. Front panel and flush-mounting box are sold separately so that the existing box can reused in renovation projects. A craftsman's workmanship merged with industrial technology and efficiency, superior quality products and attentive, timely service. The products from Urmet's Exigo series are delivered from stock.

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MAIN FEAUTURES

> BROAD CHOICE OF COLOURS, FINISHES AND NUMBER OF BUTTONS

> FITS EXISTING FRONT PANELS (MOD. 625, MOD. 725, KOMBI AND SINTHESI)

Polished brass

Satin-finished brass

Chrome-steel polished brass

Chrome-steel satin-finished brass

Gun metal grey polished brass

Gun metal grey satin-finish brass

Copper bronze polished brass

Copper bronze satin-finished brass

Micaceous iron brass

Tailored systems and design styles

Prodel (a Urmet Group company that fabricates custom-made products) offers its customer increased freedom of choice and flexible customization options under all respects, including appearance and technology.

www.prodeltorino.it

DEFINE YOUR STYLE

PRODEL
URMET GROUP

Exigo is the entry panel that offers endless customization options and refined finishes, in polished and satin-finished brass with steel-chrome, gun-metal grey, copper bronze, micaceous iron colour finishes. Even shapes can be customized to user's preferences thanks to Prodel's special machining capabilities. To find out more, please visit **www.prodeltorino.it**.

Polished brass (LO)

Satin-finished brass (SO)

Micaceous iron brass (VM)

Polished steel (LA)

Satin-finished steel (SA)

Gun metal grey polished brass (LF)

Gun metal grey satin-finish brass (SF)

Copper bronze polished brass (LB)

Copper bronze satin-finished brass (SB)

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PT1530SL43 - First line engraving, typestyle SL43

PT1530AERO - First line engraving, typestyle AERO

PVD brass label with punched out lettering, typestyle STENCIL

Label in steel-effect material with punched out lettering, typestyle STENCIL, with BLUE opal glass spare label

1x PT1530AERO + 2x PT1531AERO
First line engraving, typestyle AERO + two engravings on additional line typestyle AERO

Engraved PVC label, typestyle SL43

Engraved PVC label, typestyle AERO
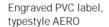
Standard back-lighting with WHITE high-efficiency LEDs

Spare opal glass label for GREEN lighting

Spare opal glass label for BLUE lighting

A harmonious, consistent style enhances the class of a building. Exigo adapts to the building's architectural style and offers:
• rounded shapes for ancient buildings
• square shapes for the most contemporary buildings

• a matching line of bells and signs to achieve a consistent building style from main entrance to apartment door.

Brass engravings in two typestyles: a sober AERO or the calligraphic SL43 typestyle

for information and indications such as street name, building number, warnings and all label names, available in brass or anthracite PVC.
A historic building name or other information may be engraved on the top and bottom

area of the front panel for an uncluttered appearance with no need for additional signs.

Note: Please contact sales network to enquire about custom engravings and special typestyles.

www.prodeltorino.it

exigo

PT2185/101

PT2143/106

PT2143/207

PT2143/210

BRASS-COATED POLISHED AUDIO FRONT PANELS FOR FLUSH-MOUNTING BOXES MOD. 1145
(flush-mounting box not included). **All front panels are in stock**

PRODEL FRONT PANEL	URMET FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX/4+N	5 WIRE/1+N
PT2185/101L	1145/51*	1	1	132 X 187	118 X 114 X 45	NO	YES	NO
PT2185/102L	1145/51*	2	1	132 X 187	118 X 114 X 45	NO	YES	NO
PT2143/101L	1145/52 + 1143/60	1	1	136 X 270	118 X 204 X 60	YES	YES	YES
PT2143/102L	1145/52 + 1143/60	2	1	136 X 270	118 X 204 X 60	YES	YES	YES
PT2143/103L	1145/53 + 1143/60	3	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/104L	1145/53 + 1143/60	4	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/105L	1145/53 + 1143/60	5	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/106L	1145/53 + 1143/60	6	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/207L	2x1145/52 + 2x1143/60**	7	2	264 X 280	244 X 204 X 60	YES	YES	YES
PT2143/208L	2x1145/52 + 2x1143/60**	8	2	264 X 280	244 X 204 X 60	YES	YES	YES
PT2143/209L	2x1145/53 + 2x1143/60**	9	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2143/210L	2x1145/53 + 2x1143/60**	10	2	264 X 370	244 X 294 X 60	YES	YES	YES

L: polished
S: satin-finish

*Uses outdoor station 4+n 824/500.
**Buttons are not arranged symmetrically.

Please add to the PT code the letter equivalent to the selected coloration
"**A**": steel colour, "**B**": copper bronze colour, "**F**": gun metal colour, "**O**": gold colour

BRASS-COATED SATIN-FINISHED AUDIO FRONT PANELS FOR FLUSH-MOUNTING BOXES MOD. 1145
(flush-mounting box not included). **All front panels are in stock**

PRODEL FRONT PANEL	URMET FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX/4+N	5 WIRE/1+N
PT2185/101S	1145/51*	1	1	132 X 187	118 X 114 X 45	NO	YES	NO
PT2185/102S	1145/51*	2	1	132 X 187	118 X 114 X 45	NO	YES	NO
PT2143/101S	1145/52 + 1143/60	1	1	136 X 270	118 X 204 X 60	YES	YES	YES
PT2143/102S	1145/52 + 1143/60	2	1	136 X 270	118 X 204 X 60	YES	YES	YES
PT2143/103S	1145/53 + 1143/60	3	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/104S	1145/53 + 1143/60	4	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/105S	1145/53 + 1143/60	5	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/106S	1145/53 + 1143/60	6	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/207S	2x1145/52 + 2x1143/60**	7	2	264 X 280	244 X 204 X 60	YES	YES	YES
PT2143/208S	2x1145/52 + 2x1143/60**	8	2	264 X 280	244 X 204 X 60	YES	YES	YES
PT2143/209S	2x1145/53 + 2x1143/60**	9	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2143/210S	2x1145/53 + 2x1143/60**	10	2	264 X 370	244 X 294 X 60	YES	YES	YES

L: polished
S: satin-finish

*Uses outdoor station 4+n 824/500.
**Buttons are not arranged symmetrically.

Please add to the PT code the letter equivalent to the selected coloration
"**A**": steel colour, "**B**": copper bronze colour, "**F**": gun metal colour, "**O**": gold colour

FRAME

1143/60	Spacer frame for mod. 1145 flush-mounting box
	For use in combination with mod. 1145 flush-mounting box with brass-plated panels series

NOTE: name plate engraving/punching service (see page 96)
www.prodeltorino.it\MYPRODEL

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BRASS-COATED POLISHED VIDEO FRONT PANELS FOR FLUSH-MOUNTING BOXES MOD. 1145
(flush-mounting box not included). **All front panels are in stock**

PRODEL FRONT PANEL	URMET FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2785/101L	1145/52+ 1143/60*	1	1	136 X 270	118 X 204 X 60	NO	YES	NO
PT2785/102L	1145/52+ 1143/60*	2	1	136 X 270	118 X 204 X 60	NO	YES	NO
PT2743/101L	1145/53 + 1143/60	1	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2743/102L	1145/53 + 1143/60	2	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2743/103L	1145/54 + 1143/60	3	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/104L	1145/54 + 1143/60	4	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/105L	1145/54 + 1143/60	5	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/106L	1145/54 + 1143/60	6	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/207L	2x1145/53 + 2x1143/60**	7	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/208L	2x1145/53 + 2x1143/60**	8	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/209L	2x1145/53 + 2x1143/60**	9	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/210L	2x1145/53 + 2x1143/60**	10	2	264 X 370	244 X 294 X 60	YES	YES	YES

L: polished
S: satin-finish

*Uses outdoor station 4+n 824/500.
**Buttons are not arranged symmetrically.

Please add to the PT code the letter equivalent to the selected coloration
"**A**": steel colour, "**B**": copper bronze colour, "**F**": gun metal colour, "**O**": gold colour

PT2785/101

PT2743/102

MATCHING BRASS-COATED POLISHED VIDEO FRONT PANELS FOR FLUSH-MOUNTING BOXES MOD. 1145 (flush-mounting box not included). **All front panels are in stock**

PRODEL FRONT PANEL	URMET FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2785/101S	1145/52+ 1143/60*	1	1	136 X 270	118 X 204 X 60	NO	YES	NO
PT2785/102S	1145/52+ 1143/60*	2	1	136 X 270	118 X 204 X 60	NO	YES	NO
PT2743/101S	1145/53 + 1143/60	1	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2743/102S	1145/53 + 1143/60	2	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2743/103S	1145/54 + 1143/60	3	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/104S	1145/54 + 1143/60	4	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/105S	1145/54 + 1143/60	5	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/106S	1145/54 + 1143/60	6	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/207S	2x1145/53 + 2x1143/60**	7	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/208S	2x1145/53 + 2x1143/60**	8	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/209S	2x1145/53 + 2x1143/60**	9	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/210S	2x1145/53 + 2x1143/60**	10	2	264 X 370	244 X 294 X 60	YES	YES	YES

L: polished
S: satin-finish

*Uses outdoor station 4+n 824/500.
**Buttons are not arranged symmetrically.

Please add to the PT code the letter equivalent to the selected coloration
"**A**": steel colour, "**B**": copper bronze colour, "**F**": gun metal colour, "**O**": gold colour

PT2743/207

FRAME

1143/60	Spacer frame for mod. 1145 flush-mounting box
	For use in combination with mod. 1145 flush-mounting box with brass-plated panels series

PT2743/210

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exigo

PRODEL
URMET GROUP
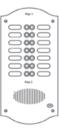
PT2121/106

PT2121/208

PT2121/214

PT2121/220

POLISHED BRASS-PLATED FRONT PANELS (AUDIO) FOR MOD. 625 FLUSH-MOUNTING BOXES
(flush-mounting box not included). **All front panels are in stock**

PRODEL FRONT PANEL	PRODEL FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2121/103L	PT2121/503	3	1	130 X 326	110 X 256 X 55	YES	YES	YES
PT2121/104L	PT2121/504	4	1	130 X 354	110 X 284 X 55	YES	YES	YES
PT2121/105L	PT2121/505	5	1	130 X 382	110 X 312 X 55	YES	YES	YES
PT2121/106L	PT2121/506	6	1	130 X 410	110 X 340 X 55	YES	YES	YES
PT2121/204L	PT2121/604	4	2	206 X 299	186 X 228 X 55	YES	YES	YES
PT2121/206L	PT2121/606	6	2	206 X 299	186 X 228 X 55	YES	YES	YES
PT2121/208L	PT2121/608	8	2	206 X 364	186 X 284 X 55	YES	YES	YES
PT2121/210L	PT2121/610	10	2	206 X 364	186 X 284 X 55	YES	YES	YES
PT2121/212L	PT2121/612	12	2	206 X 392	186 X 312 X 55	YES	YES	YES
PT2121/214L	PT2121/614	14	2	206 X 420	186 X 340 X 55	YES	YES	YES
PT2121/216L	PT2121/616	16	2	206 X 448	186 X 368 X 55	YES	YES	YES
PT2121/218L	PT2121/618	18	2	206 X 476	186 X 396 X 55	YES	YES	YES
PT2121/220L	PT2121/620	20	2	206 X 504	186 X 424 X 55	YES	YES	YES

L: polished
S: satin-finish

Please add to the PT code the letter equivalent to the selected coloration
"**A**": steel colour, "**B**": copper bronze colour, "**F**": gun metal colour, "**O**": gold colour

SATIN BRASS-PLATED FRONT PANELS (AUDIO) FOR MOD. 625 FLUSH-MOUNTING BOXES
(flush-mounting box not included). **All front panels are in stock**

PRODEL FRONT PANEL	PRODEL FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2121/103S	PT2121/503	3	1	130 X 326	110 X 256 X 55	YES	YES	YES
PT2121/104S	PT2121/504	4	1	130 X 354	110 X 284 X 55	YES	YES	YES
PT2121/105S	PT2121/505	5	1	130 X 382	110 X 312 X 55	YES	YES	YES
PT2121/106S	PT2121/506	6	1	130 X 410	110 X 340 X 55	YES	YES	YES
PT2121/204S	PT2121/604	4	2	206 X 299	186 X 228 X 55	YES	YES	YES
PT2121/206S	PT2121/606	6	2	206 X 299	186 X 228 X 55	YES	YES	YES
PT2121/208S	PT2121/608	8	2	206 X 364	186 X 284 X 55	YES	YES	YES
PT2121/210S	PT2121/610	10	2	206 X 364	186 X 284 X 55	YES	YES	YES
PT2121/212S	PT2121/612	12	2	206 X 392	186 X 312 X 55	YES	YES	YES
PT2121/214S	PT2121/614	14	2	206 X 420	186 X 340 X 55	YES	YES	YES
PT2121/216S	PT2121/616	16	2	206 X 448	186 X 368 X 55	YES	YES	YES
PT2121/218S	PT2121/618	18	2	206 X 476	186 X 396 X 55	YES	YES	YES
PT2121/220S	PT2121/620	20	2	206 X 504	186 X 424 X 55	YES	YES	YES

L: polished
S: satin-finish

Please add to the PT code the letter equivalent to the selected coloration
"**A**": steel colour, "**B**": copper bronze colour, "**F**": gun metal colour, "**O**": gold colour

FRAME

1143/60	Spacer frame for mod. 1145 flush-mounting box For use in combination with mod. 1145 flush-mounting box with brass-plated panels series

NOTE: name plate engraving/punching service (see page 96)
www.prodeltorino.it\MYPRODEL

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PRODEL
URMET GROUP

POLISHED BRASS-PLATED FRONT PANELS (VIDEO) FOR MOD. 625 FLUSH-MOUNTING BOXES
(flush-mounting box not included). **All front panels are in stock**

PRODEL FRONT PANEL	PRODEL FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2721/103L	PT2721/503	3	1	130 X 410	110 X 344 X 55	YES	YES	YES
PT2721/104L	PT2721/504	4	1	130 X 438	110 X 372 X 55	YES	YES	YES
PT2721/105L	PT2721/505	5	1	130 X 466	110 X 400 X 55	YES	YES	YES
PT2721/106L	PT2721/506	6	1	130 X 494	110 X 428 X 55	YES	YES	YES
PT2721/204L	PT2721/604	4	2	206 X 392	186 X 316 X 55	YES	YES	YES
PT2721/206L	PT2721/606	6	2	206 X 392	186 X 316 X 55	YES	YES	YES
PT2721/208L	PT2721/608	8	2	206 X 420	186 X 344 X 55	YES	YES	YES
PT2721/210L	PT2721/610	10	2	206 X 448	186 X 372 X 55	YES	YES	YES
PT2721/212L	PT2721/612	12	2	206 X 476	186 X 400 X 55	YES	YES	YES
PT2721/214L	PT2721/614	14	2	206 X 504	186 X 428 X 55	YES	YES	YES
PT2721/216L	PT2721/616	16	2	206 X 532	186 X 456 X 55	YES	YES	YES
PT2721/218L	PT2721/618	18	2	206 X 560	186 X 484 X 55	YES	YES	YES
PT2721/220L	PT2721/620	20	2	206 X 588	186 X 512 X 55	YES	YES	YES

L: polished
S: satin-finish

Please add to the PT code the letter equivalent to the selected coloration
"**A**": steel colour, "**B**": copper bronze colour, "**F**": gun metal colour, "**O**": gold colour

PT2721/104

POLISHED BRASS-PLATED FRONT PANELS (VIDEO) FOR MOD. 625 FLUSH-MOUNTING BOXES
(flush-mounting box not included). **All front panels are in stock**

PRODEL FRONT PANEL	PRODEL FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2121/103S	PT2721/503	3	1	130 X 410	110 X 344 X 55	YES	YES	YES
PT2121/104S	PT2721/504	4	1	130 X 438	110 X 372 X 55	YES	YES	YES
PT2121/105S	PT2721/505	5	1	130 X 466	110 X 400 X 55	YES	YES	YES
PT2121/106S	PT2721/506	6	1	130 X 494	110 X 428 X 55	YES	YES	YES
PT2121/204S	PT2721/604	4	2	206 X 392	186 X 316 X 55	YES	YES	YES
PT2121/206S	PT2721/606	6	2	206 X 392	186 X 316 X 55	YES	YES	YES
PT2121/208S	PT2721/608	8	2	206 X 420	186 X 344 X 55	YES	YES	YES
PT2121/210S	PT2721/610	10	2	206 X 448	186 X 372 X 55	YES	YES	YES
PT2121/212S	PT2721/612	12	2	206 X 476	186 X 400 X 55	YES	YES	YES
PT2121/214S	PT2721/614	14	2	206 X 504	186 X 428 X 55	YES	YES	YES
PT2121/216S	PT2721/616	16	2	206 X 532	186 X 456 X 55	YES	YES	YES
PT2121/218S	PT2721/618	18	2	206 X 560	186 X 484 X 55	YES	YES	YES
PT2121/220S	PT2721/620	20	2	206 X 588	186 X 512 X 55	YES	YES	YES

L: polished
S: satin-finish

Please add to the PT code the letter equivalent to the selected coloration
"**A**": steel colour, "**B**": copper bronze colour, "**F**": gun metal colour, "**O**": gold colour
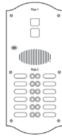
PT2721/204

PT2721/212

PT2721/220

FRAME

1143/60	Spacer frame for mod. 1145 flush-mounting box
	For use in combination with mod. 1145 flush-mounting box with brass-plated panels series

www.prodeltorino.it

sinthesi steel

i10

Digital version with control panels and bright display

Camera module

Call feedback with LED turning on

Name tag replacement, electrical measurements and audio adjustments possible with no need to access the wiring area

Possible addition of digital modules or access control modules

Back-lighted name tags and buttons

MAIN FEATURES

> VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
> COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
> WIDE-ANGLE CAMERA - 120°
> WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS
> MECHANICAL IMPACT RESISTANCE DEGREE: IK09

> COMPATIBLE WITH ANALOGUE SINTHESI OUTDOOR STATIONS
> PRE-WIRED MODULES
> IP45 PROTECTION DEGREE (INGRESS OF SOLID OBJECTS AND WATER)

Door-opener module 1158/45

Module for the hearing impaired 1158/48

COMPATIBLE WITH

| 2 VOICE | COAX | 5 WIRES | 4 +N | 1 +N |

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SMARTER, STRONGER, MORE BEAUTIFUL

Beautiful and compact: instantly attractive

Sinthesi Steel is beautiful, refined and features a sober, unique design: it is the ideal entry panel to create a contemporary style welcome for guests. Its flush design and the absence of interstices between each element lend Sinthesi Steel a compact and elegant look.

Modular and versatile: suitable for all types of buildings

Sinthesi Steel is compatible with Sinthesi and K-Steel metal flush-mounting boxes and uses the same analogue outdoor stations as Sinthesi. Modules can be combined at will. The panel has snap-on assembly, the only screws are located on the outer frame.

Accessible and interactive: designed for easy use by people with disabilities

Thanks to speech synthesis modules, LED indicator module and interface modules for induction loop antenna for hearing-aid users, disabled persons, the sight-challenged and the hearing impaired can use the system normally. Proximity and access control modules provide keyless entry functionality for entrance gates and doors.

Sturdy and safe: it fears nothing and protects everyone

Sinthesi Steel's steel structure is impact-resistant (IK09 rating) and water jet resistant (IP45 class) and will withstand any weather conditions. The wide-angle camera unit has a 120° angle of view. Proximity sensor modules allow for quick access by authorised persons.

www.prodeltorino.it

PVD TREATMENT
Sinthesi Steel and the new kit base system are now available with the new PVD colour finishes. For more details please contact sales network.

SINTHESI STEEL

EXAMPLE SETUP: BASE ELEMENTS

Loudspeaking unit module (audio or video)

Loudspeaking unit

Button module

Flush-mounting box

Frame

Trim

sinthesi
steel

MODELS 1145 | 1745

1158/22

1158/14

1158/47

1158/48

1158/45

BUTTON MODULES AND MODULES PRE-ARRANGED WITH LOUDSPEAKING UNIT

ITEM NO.	DESCRIPTION	NO. OF BTNS	2VOICE	COAX	5-WIRE	4+N	1+N
1158/20	Mod. w/pre-arranged with loud speaking unit	0	NO	YES	YES	YES	YES
1158/21	Mod. w/provisions for OS	1	NO	YES	YES	YES	YES
1158/22	Mod. w/provisions for OS	2	NO	YES	NO	YES	NO
1158/11	Button mod.	1	YES	YES	YES	YES	YES
1158/12	Button mod.	2	YES	YES	YES	YES	YES
1158/13	Button mod.	3	YES	YES	YES	YES	YES
1158/14	Button mod.	4	YES	YES	YES	YES	YES
1158/50	Building number mod.	~	YES	YES	YES	YES	YES
1158/59	Blank mod.	~	YES	YES	YES	YES	YES

Module dimensions (W x H) 90 x 90 mm
Name tag dimensions (W x H) 67 x 12.5 mm, except for module with 2 button rows – sized (W x H) 40 x 12.5 mm
and building number module 1148/50

SPECIAL MODULES

ITEM NO.	DESCRIPTION	NO. OCCUPIED MODULES
1158/47	DDA Stainless steel module with call feedback with voice messages and LED for system status check. Compliant with ETS300381 and EN60118 European standards.	1
1158/48	Stainless steel module, door phone conversation can be heard by the hearing impaired.	1

Module dimensions (W x H) 90 x 90 mm

DOOR-OPENER MODULE

ITEM NO.	DESCRIPTION	NO. OCCUPIED MODULES	NOTE
1158/45	door-opener module for proximity keys	1	Compatible with all systems. Manages up to 500 keys; expandable up to 2000 keys when additional memory 1102/52 is installed. Power supply 12 Vac
1158/46	door-opener module with control panel	1	Compatible with all systems. Stores up to 8 access codes and opens 2 electric locks independently. Monostable and bistable operation. Power supply 12 Vac

Module dimensions (W x H) 90 x 90 mm

DOOR-OPENER MODULE ACCESSORIES

1102/52	Additional memory for 1158/45 proximity key module
1125/50	Kit with 10 keys for 1158/45 proximity module

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FLUSH-MOUNTING BOXES AND FRAMES
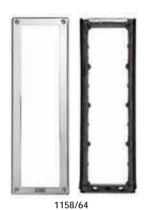
ITEM NO.		DESCRIPTION	DIMENSIONS (WxHxD) mm	NO. MODULES	MATERIAL
1145/51		Flush-mounting box	118 x 114 x 45	1	Plastic
1145/52		Flush-mounting box	118 x 204 x 45	2	Plastic
1145/53		Flush-mounting box	118 x 294 x 45	3	Plastic
1145/54		Flush-mounting box	118 x 384 x 45	4	Plastic
1158/41		Flush-mounting box	125 x 119	1	Iron
1158/42		Flush-mounting box	125 x 209	2	Iron
1158/43		Flush-mounting box	125 x 299	3	Iron
1158/44		Flush-mounting box	125 x 389	4	Iron
1158/61		Frame with module holder	125 x 119	1	Steel
1158/62	📷	Frame with module holder	125 x 209	2	Steel
1158/63		Frame with module holder	125 x 299	3	Steel
1158/64	📷	Frame with module holder	125 x 389	4	Steel

1158/62

1158/64

RAIN HOOD

ITEM NO.	DESCRIPTION	DIMENSIONS (WxHxD) mm	NO. MODULES	NO. ROW	MATERIAL
1158/611	Rain hood	158 x 151 x 22	1	1	Aluminium silver color
1158/612	Rain hood	158 x 241 x 22	2	1	Aluminium silver color
1158/613	Rain hood	158 x 331 x 22	3	1	Aluminium silver color
1158/614	Rain hood	158 x 421 x 22	4	1	Aluminium polished silver colour
1158/624	Rain hood	287 x 241 x 22	4	2	Aluminium polished silver colour
1158/626	Rain hood	287 x 331 x 22	6	2	Aluminium polished silver colour
1158/639	Rain hood	416x331x22	9	3	Aluminium polished silver colour

WALL MOUNTING BOX WITHOUT FRAME

ITEM NO.	DESCRIPTION	DIMENSIONS (WxHxD) mm	NO. MODULES	NO. ROW	MATERIAL
1148/311	Wall mounting box with hood	157 x 151 x 59	1	1	Aluminium silver color
1148/312	Wall mounting box with hood	157 x 241 x 59	2	1	Aluminium silver color
1148/313	Wall mounting box with hood	157 x 331 x 59	3	1	Aluminium silver color
1148/314	Wall mounting box with hood	157 x 421 x 59	4	1	Aluminium silver color
1148/324	Wall mounting box with hood	286 x 241 x 59	4	2	Aluminium silver color
1148/326	Wall mounting box with hood	286 x 331 x 59	6	2	Aluminium silver color
1148/339	Wall mounting box with hood	416x331x59	9	3	Aluminium silver color

ACCESSORIES

1158/74	📷	**Conversation privacy device**
		Use one for every 4 users in 1+n audio and 5-wire video systems.

1083/17	**16 user expansion module for digital systems**
	For use with loudspeaking units 1072/5 1038/62 1038/5 1038/7 1072/19A 1072/7 1082/72 1082/7 to expand the number of calling buttons.

1158/74

SINTHESI
S2

i 9

Digital version with control panels and bright display

Camera module

Call feedback with LED turning on

Name tag replacement, electrical measurements and audio adjustments possible with no need to access the wiring area

DI MOLA CHIESTA
SGARBI BATTAGLIOLI
BONANNI CAPRILLI
DI CRISTOFARO CUOMO

Possible addition of digital modules or access control modules

FACCITONDO INTRONA
MURABITO SANTISE
ARAMU LEINARDI
NARETTO

Back-lighted name tags and buttons

SELECT NAME WITH ↑ OR ↓

MAIN FEATURES

> NEW DESIGN
> ALUMINIUM IN POLISHED STEEL COLOUR
> GREEN LED BACK-LIGHTING
> NEW FUNCTIONS INCREASING SECURITY AND
  ACCESS TO PEOPLE WITH DISABILITIES

> IP42 PROTECTION CLASS
> RETROFITTING COMPATIBILITY
  WITH SINTHESI
> CAMERA UNIT
  WITH COLOUR CAMERA

COMPATIBLE WITH

| 2 voice | COAX | 5 WIRES | 4 +N | 1 +N |

Door-opener module
1148/45

Hearing-aid users module
1148/48

urmet

QUALITY HAS NEW STANDARDS

Sinthesi S2 is Urmet's new modular entry panel with a new design, improved-quality finishes and a revisited aesthetic impact featuring cleaner and more outstanding features. With Sinthesi S2, Urmet revamps the most

wellknown and appreciated entry panel on the market, improving its functionality and performance. The innovative and stylish finishing of this aluminium entry panel lends it a more refined look, while the colour camera units

and the new module range now offer a wider range of technical features to choose from. More beautiful, because finished aluminium lends it a slick and unique look, while the green backlighting is a bright and modern way to

greets visitors. Easier, thanks to its simplified wiring and the possibility to replace name tags and carry out audio and video adjustments even after the entry panel has been installed.

Design, functionality and ease of use

EXAMPLE SETUP: BASE ELEMENTS

SINTHESI S2

| Flush-mounting box | Wall Frame | Loudspeaking unit module (audio or video) | Loudspeaking unit | Button module | Frame |

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sinthesi
s2

MODELS 1148 | 1748

1148/21

1148/34

1148/14

1148/18

1148/50

1158/74

BUTTON MODULES AND MODULES PRE-ARRANGED WITH LOUDSPEAKING UNIT

ITEM NO.		DESCRIPTION	NO. OF BTNS	N. of BTN ROWS	2VOICE	COAX	5WIRE	4+N	1+N
1148/20		Mod. w/provisions for OS	0	-	NO	YES	YES	YES	YES
1148/21	📷	Mod. w/provisions for OS	1	1	NO	YES	YES	YES	YES
1148/22		Mod. w/provisions for OS	2	1	NO	YES	NO	YES	NO
1148/32		Mod. w/provisions for OS	2	2	NO	YES	YES	YES	YES
1148/34	📷	Mod. w/provisions for OS	4	2	NO	YES	NO	YES	NO
1148/11		Button mod.	1	-	YES	YES	YES	YES	YES
1148/12		Button mod.	2	-	YES	YES	YES	YES	YES
1148/13		Button mod.	3	-	YES	YES	YES	YES	YES
1148/14	📷	Button mod.	4	-	YES	YES	YES	YES	YES
1148/18	📷	Button mod.	8	2	YES	YES	NO	YES	NO
1148/50	📷	Building number mod.	~	~	YES	YES	YES	YES	YES
1148/59		Blank mod.	~	~	YES	YES	YES	YES	YES

ACCESSORIES

1158/74	📷	**Conversation privacy device** Use one for every 4 users in 1+n audio and 5-wire video systems.
1083/17		**16 user expansion module for digital systems** For use with loudspeaking units 1072/5 1038/62 1038/5 1038/7 1072/19A 1072/7 1082/72 1082/7 to expand the number of calling buttons.

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SPECIAL MODULES

ITEM NO.		DESCRIPTION	NO. OCCUPIED MODULES
1148/47	▣	DDA Stainless steel module with call feedback with voice messages and LED for system status check. Compliant with ETS300381 and EN60118 European standards.	1
1148/48	▣	Stainless steel module, door phone conversation can be heard by the hearing impaired.	1

Module dimensions (W x H) 90 x 90 mm

1148/47

1148/48

DOOR-OPENER MODULE

ITEM NO.		DESCRIPTION	NO. OCCUPIED MODULES	NOTE
1148/45	▣	door-opener module for proximity keys	1	Compatible with all systems. Manages up to 500 keys; expandable up to 2000 keys when additional memory 1102/52 is installed. Power supply 12 Vac
1148/46	▣	door-opener module with control panel	1	Compatible with all systems. Stores up to 8 access codes and opens 2 electric locks independently. Monostable and bistable operation. Power supply 12 Vac

Module dimensions (W x H) 90 x 90 mm

1148/45

DOOR-OPENER MODULE ACCESSORIES

1102/52	Additional memory for 1158/45 proximity key module
1125/50	Kit with 10 keys for 1158/45 proximity module

1148/46

sinthesi s2

1148/62

1148/64

1158/613

1148/312

FLUSH-MOUNTING BOXES AND FRAMES

ITEM NO.		DESCRIPTION	DIMENSIONS (WxHxD) mm	NO. OF MODULES	MATERIAL
1145/51		Flush-mounting box	118 x 114 x 45	1	Plastic
1145/52		Flush-mounting box	118 x 204 x 45	2	Plastic
1145/53		Flush-mounting box	118 x 294 x 45	3	Plastic
1145/54		Flush-mounting box	118 x 384 x 45	4	Plastic
1148/61		Frame with module holder	125 x 119	1	Aluminium
1148/62	📷	Frame with module holder	125 x 209	2	Aluminium
1148/63		Frame with module holder	125 x 299	3	Aluminium
1148/64	📷	Frame with module holder	125 x 389	4	Aluminium

RAIN HOOD

ITEM NO.		DIMENSIONS (WxHxD) mm	NO. OF MODULES	NO. OF ROWS
1158/611		158 x 151 x 22	1	1
1158/612		158 x 241 x 22	2	1
1158/613	📷	158 x 331 x 22	3	1
1158/614		158 x 421 x 22	4	1
1158/624		287 x 241 x 22	4	2
1158/626		287 x 331 x 22	6	2
1158/639		416 x 331 x 22	6	3

WALL MOUNTING BOX WITH FRAME

ITEM NO.		DESCRIPTION	DIMENSIONS (WxHxD) mm	NO. OF MODULES	NO. OF ROWS	MATERIALE	FRAME
1148/311		Wall mounting box with hood	157 x 151 x 59	1	1	Aluminium	1148/61
1148/312	📷	Wall mounting box with hood	157 x 241 x 59	2	1	Aluminium	1148/62
1148/313		Wall mounting box with hood	157 x 331 x 59	3	1	Aluminium	1148/63
1148/314		Wall mounting box with hood	157 x 421 x 59	4	1	Aluminium	1148/64
1148/324		Wall mounting box with hood	286 x 241 x 59	4	2	Aluminium	x2 1148/62
1148/326		Wall mounting box with hood	286 x 331 x 59	6	2	Aluminium	x2 1148/63
1148/339		Wall mounting box with hood	416 x 331 x 59	9	3		
1145/342		Semi-flushed wall box with hood for 100 mm pole	98 x 215 x 60 outer part 87 x 198 x 16 flush-mounted part	2	1	Plastic	

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TELEPHONY

SPARE FRONTS FOR MOD. 625

SPARE FRONT PANELS MOD. 625 new replacement parts that preserve traditional style Urmet now makes available the original spare front panels for entry panels mod. 625. From 1 to 4 rows, for traditional and two-channel systems. Spare bottom contacts and lighting LEDs for name tags are also available at request. Contact your Urmet sales person or visit www.prodeltorino.it.

HIGH-EFFICIENCY LEDS
New LED lighting circuits: white light, each LED with electronic suppression, can be divided into separate sections, long life and low current draw. Also suitable for use as daytime contrast light. LED circuits can be connected directly to 12 V a.c. or d.c.

625 COMPATIBILITY CHART

PRODEL MODEL	BUTTONS	ROWS	FRONT PANEL (WxH) mm	FLUSH-MOUNTING BOX DIMENSIONS (WxHxD) mm	FLUSH-MOUNTING BOX INCLUDED	2VOICE	1+N	4+N	RECOMMENDED LEDS
PT5121/101	1	1	108 x 234	95 x 220 x 55	NO	NO	NO	SI	1 x PT1555/05
PT5121/102	2	1	108 x 234	95 x 220 x 55	NO	NO	NO	SI	1 x PT1555/05
PT5121/105	5	1	130 x 332	113 x 316 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/106	6	1	130 x 360	113 x 344 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/108	8	1	130 x 416	113 x 400 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/204	4	2	206 x 248	190 x 232 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/206	6	2	206 x 248	190 x 232 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/208	8	2	206 x 304	190 x 288 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/210	10	2	206 x 304	190 x 288 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/212	12	2	206 x 332	190 x 316 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/214	14	2	206 x 360	190 x 344 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/216	16	2	206 x 388	190 x 372 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/218	18	2	206 x 416	190 x 400 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/220	20	2	206 x 444	190 x 428 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/222	22	2	206 x 472	190 x 456 x 55	NO	SI	SI	SI	1 x PT1555/10 + 1 x PT1555/05
PT5121/224	24	2	206 x 500	190 x 484 x 55	NO	SI	SI	SI	1 x PT1555/10 + 1 x PT1555/05
PT5121/226	26	2	206 x 528	190 x 512 x 55	NO	SI	SI	SI	1 x PT1555/10 + 1 x PT1555/05
PT5121/315	15	3	307 x 304	290 x 288 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/321	21	3	307 x 360	290 x 344 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/327	27	3	307 x 416	290 x 400 x 55	NO	SI	SI	SI	1 x PT1555/10 + 1 x PT1555/05
PT5121/333	33	3	307 x 472	290 x 456 x 55	NO	SI	SI	SI	2 x PT1555/10 + 1 x PT1555/05
PT5121/339	39	3	307 x 528	290 x 512 x 55	NO	SI	SI	SI	3 x PT1555/10
PT5121/430	30	4	380 x 332	360 x 316 x 55	NO	SI	SI	SI	2 x PT1555/10
PT5121/432	32	4	380 x 332	360 x 316 x 55	NO	SI	SI	SI	2 x PT1555/10
PT5121/436	36	4	380 x 360	360 x 344 x 55	NO	SI	SI	SI	2 x PT1555/10
PT5121/440	40	4	380 x 388	360 x 372 x 55	NO	SI	SI	SI	2 x PT1555/10
PT5121/444	44	4	380 x 416	360 x 400 x 55	NO	SI	SI	SI	2 x PT1555/10 + 1 x PT1555/05
PT5121/448	48	4	380 x 444	360 x 428 x 55	NO	SI	SI	SI	3 x PT1555/10
PT5121/452	52	4	380 x 472	360 x 456 x 55	NO	SI	SI	SI	3 x PT1555/10
PT5121/456	56	4	380 x 500	360 x 484 x 55	NO	SI	SI	SI	3 x PT1555/10 + 1 x PT1555/05

925

MAIN FEATURES

> FLUSH ENTRY PANEL FOR FLUSH
   MOUNT / SURFACE WALL MOUNT
> ALUMINIUM FRONT PANEL
> COMPACT SIZE
> IP33

Great ease of installation and excellent quality/price ratio make this entry panel very competitive.
It comes with drawn aluminium front panel with plastic headers, button holder frame with metal buttons and flush-mounting box.

The entry panel is arranged in blocks with one or two rows that can be set side by side to achieve 3, 4, 5 and 6-row setups. In addition, appropriate housings are available for surface wall mount in configurations with up to 24 buttons.

COMPATIBLE WITH

| 2 voice | COAX | 5 WIRES | 4 +N | 1 +N |

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AUDIO FRONT PANEL WITH PROVISION FOR OUTDOOR AUDIO STATION

ITEM NUMBER	NO. OF BTNS	NO. OF BTN ROWS	FRONT PANEL DIMENSIONS (W x H) mm	FLUSH-MOUNTING BOX DIMENSIONS (W x H x D) mm	DIGIVOICE	COAX	5 - WIRES	4 + N	1 + N
925/101	1	1	113 x 240	102 x 225 x 43	NO	YES	NO	YES	NO
925/102	2	1	113 x 240	102 x 225 x 43	NO	YES	NO	YES	NO
925/103	3	1	113 x 288	102 x 273 x 43	NO	YES	NO	YES	NO
925/104	4	1	113 x 288	102 x 273 x 43	NO	YES	NO	YES	NO
925/105	5	1	113 x 312	102 x 297 x 43	YES	YES	YES	YES	YES
925/106	6	1	113 x 336	102 x 321 x 43	YES	YES	YES	YES	YES
925/107	7	1	113 x 360	102 x 345 x 43	YES	YES	YES	YES	YES
925/108	8	1	113 x 384	102 x 369 x 43	YES	YES	YES	YES	YES
925/204	4	2	205 x 192	194 x 177 x 43	YES	YES	YES	YES	YES
925/206	6	2	205 x 216	194 x 202 x 43	YES	YES	YES	YES	YES
925/208	8	2	205 x 240	194 x 225 x 43	YES	YES	YES	YES	YES
925/210	10	2	205 x 264	194 x 249 x 43	YES	YES	YES	YES	YES
925/212	12	2	205 x 288	194 x 273 x 43	YES	YES	YES	YES	YES
925/214	14	2	205 x 312	194 x 297 x 43	YES	YES	YES	YES	YES
925/216	16	2	205 x 336	194 x 321 x 43	YES	YES	YES	YES	YES
925/218	18	2	205 x 360	194 x 345 x 43	YES	YES	YES	YES	YES
925/220	20	2	205 x 384	194 x 369 x 43	YES	YES	YES	YES	YES
925/222	22	2	205 x 408	194 x 393 x 43	YES	YES	YES	YES	YES
925/224	24	2	205 x 432	194 x 417 x 43	YES	YES	YES	YES	YES
925/228	28	2	205 x 480	194 x 465 x 43	YES	YES	YES	YES	YES

Name tag dimensions (H x W x D) 14.5 x 54.5 x 2 mm

925/101

925/106

925/212

FRONT PANELS WITH BUTTONS ONLY

ITEM NUMBER	NO. OF BTNS	NO. OF BTN ROWS	FRONT PANEL DIMENSIONS (W x H) mm	FLUSH-MOUNTING BOX DIMENSIONS (W x H x D) mm	DIGIVOICE	COAX	5 - WIRES	4 + N	1 + N
925/020	20	2	205 x 288	194 x 273 x 43	YES	YES	YES	YES	YES
925/022	22	2	205 x 312	194 x 297 x 43	YES	YES	YES	YES	YES
925/024	24	2	205 x 336	194 x 321 x 43	YES	YES	YES	YES	YES
925/026	26	2	205 x 360	194 x 345 x 43	YES	YES	YES	YES	YES
925/028	28	2	205 x 384	194 x 369 x 43	YES	YES	YES	YES	YES
925/030	30	2	205 x 408	194 x 393 x 43	YES	YES	YES	YES	YES

Name tag dimensions (H x W x D) 14.5 x 54.5 x 2 mm

925/220

925

ITEM NO 925

925/611

925/612

FRONT PANELS FOR CAMERA/CAMERA

925/611   📷   **Front panel on single row for camera 725/600**
With flush-mounting box.
Dimensions 113 x 120 mm; flush-mounting box dimensions (W x H x D) 102 x 102 x 53 mm

925/612   📷   **Front panel on 2 rows for camera 725/600**
With flush-mounting box.
Dimensions 205 x 120 mm; flush-mounting box dimensions (W x H x D) 194 x 102 x 53 mm

ACCESSORIES

1035/25   **Conversation secrecy device**
One device required every 4 users in 1+n audio and 5-wire video systems.

1742/13A   **Camera unit adapter**
Adapts camera with video signal over coaxial cable in differential video systems.

1083/17   **16-user expansion module for digital systems**
For use with 2Voice outdoor stations to add more call buttons.

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SURFACE WALL MOUNTED HOUSING COMPLETE WITH TRIM

ITEM NO.	DESCRIPTION	DIMENSIONS (WxHxD) mm	COMPATIBLE FRONT PANELS	NO. OF ROWS	MATERIAL
725/710	Surface wall mount housing with hood	120 x 245 x 50 Depth including hood:102 mm	725/101-102	1	Aluminium
725/711	Surface wall mount housing with hood	120 x 245 x 50 Depth including hood: 102 mm Max height 389 mm	725/103 104-105-106 107-108	1	Aluminium
725/721	Surface wall mount housing with hood	212 x 197 x 50 Depth including hood: 102 mm Max height 269 mm	725/204 206-208-210	2	Aluminium
725/722	Surface wall mount housing with hood	212 x 197 x 50 Depth including hood: 102 mm Max height 269 mm	725/212 214-216-218-220 222-224-226-228 725/020 022-024-026-028 030-032-034-036	2	Aluminium

725/711

RAIN HOODS

ITEM NO.	DESCRIPTION	COMPATIBLE FRONT PANELS	NO. OF ROWS	MATERIAL	NOTES
725/701	Rain hood	725/601	1	Aluminium	For use only in combination with video front panels.
725/702	Surface wall mount housing with hood	725/602	2	Aluminium	For use only in combination with video front panels.

mıkra / mıkra AUDIO

i11

Semi pin-hole
or wide-angle
colour CCD
camera

Mechanical
impact resistance
degree: IK07

Tag colour can be
customized with
coloured filters
(blue and green)

Mechanical
impact resistance
degree:
IK07

Tag colour can be
customized with
coloured filters
(blue and green)

MAIN FEATURES

> ZAMAK ALLOY
> IP44 PROTECTION DEGREE
> INTEGRATED OUTDOOR STATION: VIDEO
> PRESET FOR 2-CALL MANAGEMENT
> SURFACE WALL MOUNT (FLUSH MOUNT
  POSSIBLE WITH KIT 1122/60)
> WHITE LED BACK-LIGHTING
> DIMENSIONS (HxWxD): 185 X 99 X 20 mm
> MECHANICAL IMPACT RESISTANCE
  DEGREE: IK07

MAIN FEATURES

> IP44 PROTECTION DEGREE
> PRESET FOR 2-CALL MANAGEMENT
> SURFACE WALL MOUNTED (POSSIBILITY
  OF FLUSH-MOUNTED INSTALLATION
  WITH 1122/50 KIT)
> WHITE LED BACK-LIGHTING

COMPATIBLE WITH

| 2 WIRES | 4 +N |

Sturdiness in micro dimensions – Mikra

Urmet's new compact entry panel: rounded contour, sturdy structure. Mikra is the new video entry panel for one-family and two-family applications made from satin-finished Zamak alloy, which lends it great sturdiness and weathering resistance. Mikra is designed for surface wall mount, wall installation to 10 cm wide plate and flush wall mount when a flush-mounting box with trim is used.

Simple and sophisticated

Mikra Audio is door phone entry panel featuring the Mikra design for single-family and two-family applications.
Installation can be adapted to specific site requirements: surface wall mount, semi-flush or, thanks to its compact size, on 10-cm wide plate. Its refined design is characterised by rounded, smooth shapes and is designed to appeal to every user's taste. Mikra audio also offers back-lighting colour customization.

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mikra EXIGO

MAIN FEATURES

> IP44 PROTECTION DEGREE
> INTEGRATED OUTDOOR STATION: COLOUR VIDEO
> PRESET FOR 2-CALL MANAGEMENT
> WHITE LED BACK-LIGHTING WITH CUSTOMIZATION
  OPTIONS

COMPATIBLE WITH
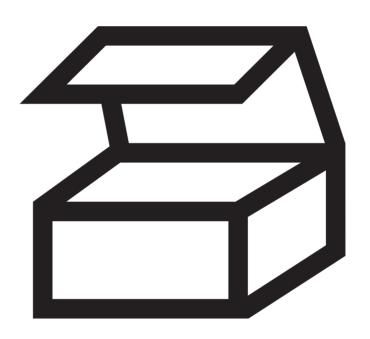
2 voice | 2 WIRES

Sophisticated design

The Mikra Exigo door phone video push-button panel exudes elegance and quality in every detail. The outer plate uses top-quality material: brass and steel with polished and satin finishes, steel-chrome, gun-metal grey, copper bronze or micaceous iron colour finishes. Mikra Exigo enables users to express their personal, unique taste in style. Mikra Exigo is available in the single-family and two-family configuration. All models come with PVD anti-corrosion and anti-oxidation treatments. Installation requires flush-mounting boxes 1145/52.

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SINGLE/TWO-FAMILY HOUSE KITS AND BASE SYSTEM KITS

SINGLE/TWO-FAMILY 2VOICE KITS
SINGLE/TWO-FAMILY 2 WIRE KITS
SINGLE/TWO-FAMILY 4+N KITS

2VOICE BASE SYSTEM KITS
ANALOGUE BASE SYSTEM KITS

EVERYTHING YOU NEED
IN ONE BOX

SOLUTIONS FOR
ALL INSTALLATION:
**SINGLE/TWO-FAMILY
BASE SYSTEM**

Urmet Kits make life easier.
One box contains all the items needed
for the installation of a specific system.

A convenient package contains everything you need to install a door phone and video door phone system, offered at attractive prices. The Urmet range of kits offers a broad choice of design styles to find the solution that best suits personal preferences for audio and video application, in colour and B/W versions.
Practical, convenient, simple to choose and to install.
Urmet Kits are the ideal solution for video door phone applications.

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SINGLE/TWO-FAMILY HOUSE KITS
Whether audio or video,
the solution comes in one box
P. 122

MIKRA & **MIKRA AUDIO**

SMYLE

AIKO

MIRO

SIGNO

SIMPLY

**MIRO
AUDIO**

**UTOPIA
DOOR PHONE**

SINTHESI SYSTEM BASE KIT
(2VOICE)
Everything you need for a system base in one package
P. 137

SINTHESI S2

**SINTHESI
STHEEL**

AIKO

MIRO

**MIRO
AUDIO**

SINGLE/TWO-FAMILY KITS

Practical and low-priced, Urmet house kits conveniently offer a single solution with all items necessary to meet the needs of single and two-family houses. A range that offers a broad variety of design styles, new solutions with advanced performance for communication and security applications, such as second lock management, video surveillance, image memory, presence indication.

COMPATIBLE DESIGN STYLES

SIGNO

SIMPLY

UTOPIA DOOR PHONE

MIRO AUDIO

MIKRA EXIGO

MIKRA

SMYLE

MIKRA AUDIO

MAIN FEATURES

> AUDIO AND VIDEO SOLUTIONS
> BROAD CHOICE OF DESIGN STYLES
> NEW SOLUTIONS WITH ADVANCED
   FUNCTIONALITY

AVAILABLE TECHNOLOGIES

2 VOICE   2 WIRES   4 +N

mikra

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i11

Semi pin-hole or wide-angle colour CCD camera

Mechanical impact resistance degree: IK07

BIANCHI

SILVIERI

MAIN FEATURES

> ZAMAK ALLOY
> IP44 PROTECTION DEGREE
> INTEGRATED OUTDOOR STATION: VIDEO
> PRESET FOR 2-CALL MANAGEMENT
> SURFACE WALL MOUNT (FLUSH MOUNT POSSIBLE WITH KIT 1122/60)

> WHITE LED BACK-LIGHTING
> DIMENSIONS (HxWxD): 185 X 99 X 20 mm
> MECHANICAL IMPACT RESISTANCE DEGREE: IK07

Sturdiness in micro dimensions – Mikra

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the new video entry panel for one-family and two-family applications made from satin-finished Zamak alloy, which lends it great sturdiness and weathering resistance. Mikra

is designed for surface wall mount, wall installation to 10 cm wide plate and flush wall mount when a flush-mounting box with trim is used.

mikra EXIGO

i11

MAIN FEATURES

> IP44 PROTECTION DEGREE
> INTEGRATED OUTDOOR STATION: COLOUR VIDEO
> PRESET FOR 2-CALL MANAGEMENT
> WHITE LED BACK-LIGHTING
   WITH CUSTOMISATION OPTIONS

Sophisticated design

The Mikra Exigo door phone video push-button panel exudes elegance and quality in every detail. The outer plate uses top-quality material: brass and steel with polished and satin finishes, steel-chrome, gun-metal grey, copper bronze or iron-mica colour finishes.
Mikra Exigo enables users to express their personal, unique taste in style. Mikra Exigo is available in the single-family and two-family configuration. All models come with PVD anti-corrosion and anti-oxidisation treatments. Installation requires flush-mounting boxes 1145/52.

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mikra AUDIO

Back-lighting
colour customisation
(blue or green)

BIANCHETTI

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MAIN FEATURES

> IP44 PROTECTION DEGREE
> PRESET FOR 2-CALL MANAGEMENT
> SURFACE WALL MOUNTED (POSSIBILITY
  OF FLUSH-MOUNTED INSTALLATION
  WITH 1122/50 KIT)
> WHITE LED BACK-LIGHTING

Simple and sophisticated

Mikra Audio is door phone entry panel featuring the Mikra design for single-family and two-family applications. Installation can be adapted to specific site requirements: surface wall mount, semi-flush or, thanks to its compact size, on 10-cm wide plate. Its refined design is characterised by rounded, smooth shapes and is designed to appeal to every user's taste. Mikra audio also offers back-lighting colour customisation.

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SINGLE/TWO-FAMILY KIT:
AIKO+MIKRA

AIKO   **MIKRA**

2VOICE KIT: SINGLE/TWO-FAMILY

1783/651	One/two-family kit with AIKO monitor and MIKRA entry panel
1783/651L	2voice kit with AIKO and MIKRA polished brass front panel
1783/651S	2voice kit with AIKO and MIKRA satin-finished brass front panel
1783/661 new	One/Two family kit with colour MIRO monitoe and MIKRA entry panel
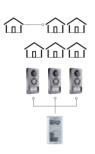
MIRO   **MIKRA**
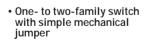
2VOICE ACCESSORY KITS
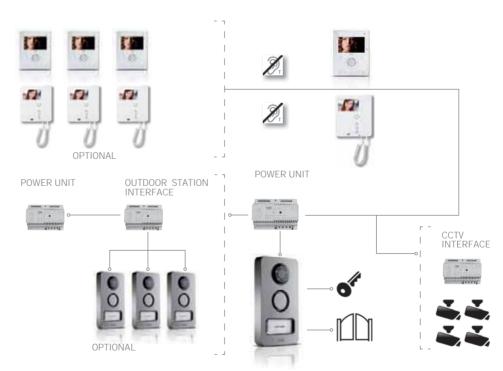
1783/1	Mikra for 2Voice with colour camera
1783/1L	Mikra Exigo polished brass entry panel
1783/1S	Mikra Exigo satin-finished brass entry panel
1083/75	Outdoor station interface
1783/69	CCTV Interface, 4 cameras, Bus connection
1083/55	User distributor
1122/60	Flush-mounting box with frame for Mikra entry panel
1750/50	In-Out connection Adapter for Miro video door phone

▲▲ Color

OPTIONAL

POWER UNIT

POWER UNIT

OUTDOOR STATION
INTERFACE

CCTV
INTERFACE

OPTIONAL

- **One- to two-family switch with simple mechanical jumper**

- **Ideal for connecting detached house systems to a single shared entrance (residential complex)**

- **2Voice technology**

- **Second lock control without additional devices**

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SINGLE-FAMILY KIT: AIKO+MIKRA

note

1722/71 KIT
CHOOSE
THE VERY BEST!

MAIN FEATURES

> 2-WIRE SINGLE-FAMILY KIT WITH ADVANCED SOLUTIONS, FOR SECURITY AND COMMUNICATION
> ENTRY PANEL WITH WIDE-ANGLE COLOUR CAMERA: 120°
> MONITOR IN AIKO DESIGN STYLE PRESET FOR INDUCTION LOOP COMPATIBILITY FOR HEARING AIDS SWITCHED TO THE "T" POSITION

(ACCORDING TO ETS300381 AND EN60118 STANDARDS)
> IMAGE MEMORY RECORDS UP 32 SHORT VIDEO CLIPS
> PEDESTRIAN PASSAGEWAY OPENING WITH PROXIMITY CONTROL KEYS
> SUPPORTS RECORDING OF ONE MESSAGE FOR DOOR PHONE ANSWERING MACHINE

New: greater security
up to 4 surveillance cameras to ensure full security even in remote areas.
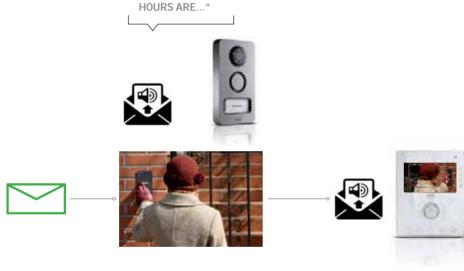
SINGLE-FAMILY KIT: FUNCTIONS

Image storage function

The Aiko video door phone features a memory that can hold up to 32 video clips of 10 seconds each, recording both audio and video messages. This function turns this monitor into a true answering machine. A green LED flashes to indicate that automatically recorded messages have not been viewed yet. Simple controls and an intuitive icon system guide user through the recording and message management procedures.

"DOCTOR'S OFFICE HOURS ARE…"

"THIS IS THE PHARMACEUTICAL SALES REPRESENTATIVE, I'LL DROP BY ON MONDAY DURING YOUR OFFICE HOURS"

Case 1 > User can record an audio message that the guest will hear after ringing the bell. When finished playing the message, the video door phone goes into recording mode and the guest may record an audio message, so the host always knows which guests he missed.

"I JUST DROPPED BY TO SAY HELLO…"

Case 2 > User can set the video door phone so that the entry panel automatically records a video clip and any audio messages 4 seconds after the guest call.

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note

Greater usability

> Driveway gate independent opening.
> Mikra entry panel with wide-angle colour camera: when installed 160 cm from the ground, the camera will frame persons standing up or sitting in a wheelchair; horizontal viewing angle is 120° It will also frame subjects hidden at the sides.
> Aiko monitor with integrated induction loop compatibility for hearing aids switched to the "T" position.

Greater security

> Possibility to integrate video surveillance system for increased security in particularly isolated buildings.
> A magnetic key is used instead of a mechanical key, to open entrances more rapidly.
> The kit can be integrated with intrusion alarm systems, with the indoor monitor being used as a control terminal.

"I'M PICKING UP THE KIDS, THEY ARE DUE TO ARRIVE AT 8:00!"
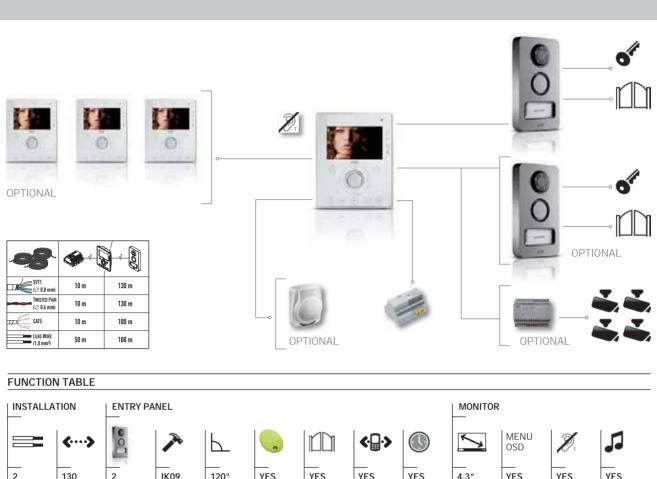
Better communication

> Internal audio message recording: before leaving the house, users can record a message for another family member; a red LED indicates the presence of a message.
> Outdoor video answering machine: the monitor can store up to 32 video messages of 10 seconds each; this function turns this video door phone into a true answering machine.

SINGLE-FAMILY KIT: FUNCTIONS

OPTIONAL

		2	2
SYT1 (⌀ 0,8 mm)		10 m	130 m
TWISTED PAIR (⌀ 0,6 mm)		10 m	130 m
CAT5		10 m	100 m
LEAD WIRE (1,0 mm²)		50 m	100 m

OPTIONAL

OPTIONAL

OPTIONAL

FUNCTION TABLE

INSTALLATION		ENTRY PANEL							MONITOR			
2	130	2	IK09	120°	YES	YES	YES	YES	4,3"	MENU OSD — YES	YES	YES

MONITOR							FUNCTIONS					
YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	4	4

KEY

Wiring: no. of cables connecting main monitor to entry panel (including electric lock)

Maximum distance between entry panel and monitor (m)

Maximum no. of entry panels

Vandal resistant entry panel (IK07)

Wide-angle colour camera

Access control function

Second gate opening

Call feedback

Electric lock timer

Display dimensions

MENU OSD   OSD menu

Compliant with ETS 300381 and EN 60118 standards

Different call tones

Mute function

Additional chime

Staircase lights

Door opening signal

Automatic door opening

Auto-on function

Operating mode: push-to-talk or full duplex

Video message recording

Voice message recording

Integrated anti-intrusion system

Intercom

Surveillance camera integration

Maximum no. of parallel connected monitors

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SINGLE-FAMILY KIT: AIKO+MIKRA

KIT NOTE

1722/71	One-family colour video door phone kit with Mikra entry panel and Aiko monitor and Integrated image storage function.
1722/71SA	Kit with Aiko and Mikra satin-finished linear front panel.
1722/71VM	Kit with Aiko and Mikra iron-mica linear front panel.

AIKO   **MIKRA**

ACCESSORIES KIT

1722/62	AIKO monitor - slave for kits 1722/71- 1722/71SA - 1722/71VM
1122/60	Flush-mounting box with frame for Mikra kit entry panel
1722/11	Secondary entry panel kit for 1722/71
1722/11SA	Secondary entry panel kit for 1722/71SA
1722/11VM	Secondary entry panel kit for 1722/71VM
1083/69	CCTV interface kit for 1722/71- 1722/71SA - 1722/71VM

 Color
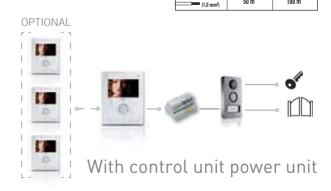
2-WIRE KITS 1722/81: WIRING TYPE SELECTION

Features:
- video auto-on function
- non-polarized 2-wire

- up to 4 monitors in parallel
- second gate command available

SYT1 (∅ 0,8 mm)		10 m	130 m
TWISTED PAIR (∅ 0,6 mm)		10 m	130 m
CAT5		10 m	100 m
LEAD WIRE (1,0 mm²)		50 m	100 m

OPTIONAL

OPTIONAL

With control unit monitor

With control unit power unit

AIKO

MIKRA

2-WIRE KITS

| 1722/81 | | | One-family colour video door phone kit with Mikra entry panel and Aiko monitor. |

2-WIRE ACCESSORY KITS

| 1722/82 | AIKO slave monitor for 1722/81 kit |
| 1122/60 | Flush-mounting box with frame for Mikra kit entry panel, for 1722/81 only |

2-WIRE SINGLE-FAMILY KIT:
SIMPLY+MIKRA

Features:
- Video auto-on function
- Electronic call
- colour camera pushbutton panel

- Volume adjustment with Mute and visual warning
- In/out audio channel volume adjustment

- Contrast and brightness adjustment
- Supplementary button for secondary electric lock/staircase light

- Max 2 parallel connected video door phones
- Timed electric lock opening (300ms - 3 - 6s)

SIMPLY   MIKRA

KIT
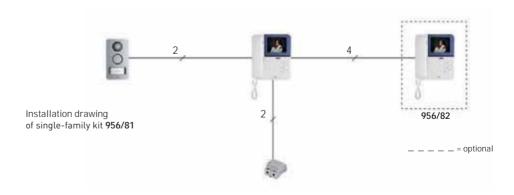
| 956/81 | new | | Single-family kit with Simply colour monitor and Zamak Mikra entry panel |

ACCESSORIES

| 956/82 | Simply slave video door phone |

Installation drawing
of single-family kit **956/81**

2

4

2

956/82

− − − − − = optional

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SINGLE/TWO-FAMILY KIT:
SIGNO+SMYLE

SINGLE/TWO-FAMILY 5WIRE KIT

REQUIREMENT: turning a door phone system into a video
door phone system with 1 or 2 video inputs.

RECOMMENDED KITS

| 956/71 | ▲ | One-family 5-wire color kit with Signo video door phone and Smyle entry panel |
| 956/72 | ▲ | Two-family 5-wire color system with Signo video door phone and Smyle entry panel |
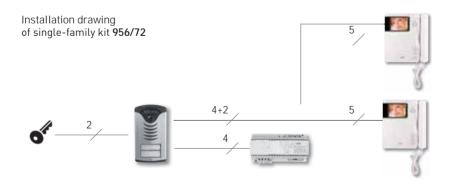
SIGNO   **SMYLE**

Features:
• 5 wires in riser
• 4 parallel connected video door phones with added
supplemental devices
• Video auto-on at outdoor video station
• Possibility of managing up to 2 video inputs with
  the addition of relay box 788/51, entry panel 1729/1
  (single-family) or 1729/2 (two-family)
  and outdoor video station 956/123
• Max distance 200 m

Installation drawing
of single-family kit **956/72**

▲ Color

SINGLE-FAMILY KIT:
UTOPIA+MIKRA

UTOPIA   **MIKRA**

INTEGRAL 2-WIRE AUDIO KIT

REQUIREMENT: turning a bell system into a door phone system
with voice call service and door opening.

RECOMMENDED KITS

1122/31		One-family 2-wire kit with Utopia door phone and Mikra entry panel
1122/61		One-family 2-wire kit with Utopia hands-free door phone and Mikra entry panel
1122/39		One- family 2-wire kit, as ref 1122/31 but for 60Hz systems

Features:
• Can open a second gate without adding any wires
• Selectable ring tones
• Selectable preferred conversation mode: hands free or button pressed (1122/61 kit only)
• Full-duplex audio
• Up to 5 door phones in parallel (5 wires)
• Call volume adjustment with Mute mode
• Max distance 110 m
• Power supply 12 Vac

BEFORE

AFTER

Installation drawings
of kit **1122/31** (option)
automatic gate

Installation drawings
of kit **1122/61** single-family
door phone

INTEGRAL 2-WIRE AUDIO ACCESSORY KITS

1129/52	**Additional door phone for 2-wire audio kit 1122/31**
9854/41	additional chime for electronic call

For accessories for apartment stations, please refer to the dedicated section.

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SINGLE/TWO-FAMILY KIT:
MIRO+MIKRA

4+N-WIRE AUDIO KIT

REQUIREMENT: installing an audio system with 1 or 2 inputs for single or two-family house systems.

RECOMMENDED KITS

1122/601   One-family 4+n-wire kit with Miro door phone and Mikra entry panel
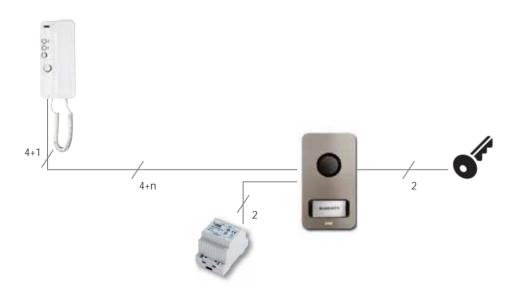
MIRO AUDIO   **MIKRA**

Features:
• Preset to manage second call from entry panel
• Possibility of adding 2 supplementary buttons to each door
  phone for a total of 3 for operating secondary services
• Possibility of managing up to 2 audio inputs with the addition
  of relay box 788/51, entry panel 1122/1 (single-family)
• Up to 2 door phones in parallel
• Max distance 300 m
• Power supply 12 Vac

installation drawings
of kit **1122/601** (v1)
single-family door phone

4+1

4+n

2

2

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SYSTEM BASE KIT

Available with synthesis entry panel, Urmet's expandable single and two-family kits create a system capable of growing along with building needs, by the simple addition of button modules.

All door phones and video door phones in the expandable kit series come with supplemental buttons to offer improved flexibility in terms of functions and operation. Urmet presents its offering

describing the ideal application for each kit: each package represents a solution that offers the advantages and convenience of ready-to-install base components.

BROAD CHOICE OF DESIGN STYLES AND EMPHASIS ON DESIGN - AIKO, SIGNO AND ARCO

MAIN FEATURES

> ALL BASE SYSTEM COMPONENTS COME IN ONE PACKAGE
> BROAD CHOICE OF DESIGN STYLES
> NEW 2VOICE KIT SERIES

AVAILABLE TECHNOLOGIES

| 2 VOICE | COAX | 5 WIRES |

COMPATIBLE DESIGN STYLES

SINTHESI S2

SINTHESI STEEL
The keypad is available in various finishings: anthracite, gun metal grey, copper bronze e brassed by **Prodel**. For further information and customization: **info@prodeltorino.it**

AIKO

HANS-FREE MIRO

MIRO

SIGNO

NEXO

MIRO DOOR PHONE

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BASE SYSTEM KIT: 2VOICE

The kits with Synthesis entry panel can be used to build systems in single and two-family houses both as a system base for apartment buildings or for residential complexes. The kits can be expanded thanks to the modular entry panel that can be expanded with additional modules, and because they use common devices found in Urmet systems such as 2Voice and the 5-wire video system.

SINTHESI S2   **AIKO**

SINTHESI S2   **MIRO**

SINTHESI STEEL   **MIRO**

2VOICE KIT

1783/431	▲	◉	One-family 2Voice colour kit with AIKO video door phone and SINTHESI S2 entry panel
1783/432	▲	◉	Two-family 2Voice colour kit with AIKO video door phone and SINTHESI S2 entry panel
1783/321	▲		Single-family 2Voice colour kit with MIRO video door phone and SINTHESI S2 entry panel
1783/322	▲		Two-family 2Voice colour kit with MIRO video door phone and SINTHESI S2 entry panel
1783/362	▲	◉	Two-family 2Voice colour kit with MIRO video door phone and SINTHESI STEELentry panel
1783/323	▲		One-family 2Voice colour kit. Same specification as Ref. 1783/321 but for 60 HZ systems
1783/324	▲		Two-family 2Voice colour kit. Same specification as Ref. 1783/322 but for 60 HZ systems
1783/433	▲		One-family 2Voice colour kit. Same specification as Ref. 1783/431 but for 60 HZ systems
1783/434	▲		Two-family 2Voice colour kit. Same specification as Ref. 1783/432 but for 60 HZ systems

▲ Color

the kits includes:
- Miro or Aiko monitor
- 1083/20A power supply
- Sinthesi S2 2-module flush-mounting box 1145/52
- Sinthesi S2 2-module frame
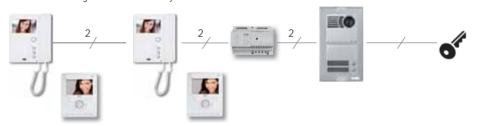
1148/62 or Sintehsi Steel 1158/62 (in single-family kits), single-module front panel 1748/107 for Sinthesi S2 and 1158/107 for Sinthesi Steel is also included
- Outdoor station with Sinthesi S2

colour camera module 1083/77 or Sithesi Steel colour camera module 1083/62
- 4-user distributor 1083/55 (in two-family version)

Installation drawing of 2Voice two-family kit

BASE SYSTEM KIT

1783/703	new	◉	One-family 2Voice kit with Sinthesi S2 digital panel

The kit includes:
• **1083/19** Sinthesi S2 digital call module with alphanumeri keypad
• **1083/20A** 2Voice power supply

Choose your door phone or video door phone: Miro or Aiko

NOTE: for video system is necessary the 1748/40 camera module

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SYSTEM BASE KIT:
COAX + 5-WIRE

789/5B **SINTHESI S2**

COAX KIT

1748/770 new Two-family colour coax kit with video door phone (supplied separately) selected by customer and Sinthesi S2 entry panel

The kits include:
- **1748/92** Sintehsi S2 colour camera module with loudspeaking unit and 2 buttons. For coax systems
- **1145/51** One-module flush mounting box
- **1148/61** One-module Sinthesi S2 frame
- **789/5B** Video power supply
- **1748/101** Sinthesi S2 one-module front panel with 1 button

2   10+n+ coax   7+n+coax

Installation drawing video kit for coaxial system

Choose your video door phone:
Nexo o Signo

789/5B **SINTHESI S2**
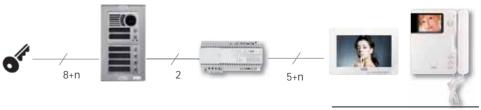
5-WIRE KITS

1748/795 new One-family 5wire colour kit with video door phone (supplied separately) selected by customer and Sinthesi S2 entry panel

The kits include:
- **1748/22** Sinthesi S2 colour camera module with loudspeaking unit and 2 button on two module. For 5Wire system
- **1145/52** 2-module flush mounting box
- **1148/62** Sinthesi S2 frame for 2-module
- **789/5B** Video power supply
- **1748/107** Sinthesi S2 one-module front panel with 1 button

8+n   2   5+n

Installation drawing video kit without coaxial cable

Choose your video door phone:
Nexo o Signo

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BASE SYSTEM KIT: AUDIO

2VOICE
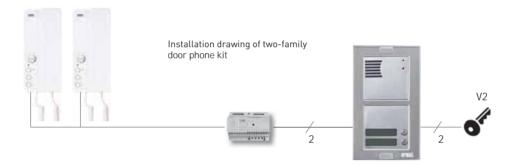
1183/502   Two-family kit with 2 MIRO door phones and SINTHESI S2 entry panel

The kits include:
- **1183/5** Miro door phone
- **1083/20A** 2Voice power unit
- **1148/62** Sinthesi S2 frame
- **1145/52** Synthesis flush-mounting box
- **1083/9** 2Voice 2-module audio outdoor station

MIRO AUDIO   SINTHESI S2

Installation drawing of two-family door phone kit

V2

2   2

4+N AUDIO KITS
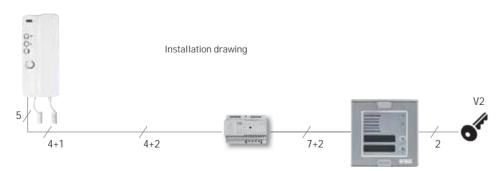
1150/301   One-family 4+n-wire kit with MIRO door phone and SINTHESI S2 entry panel
1150/302   Two-family 4+n-wire kit with MIRO door phone and SINTHESI S2 entry panel

The kits include:
- **1150/1** Miro door phone
- **786/11** audio power unit
- **1148/61** Sinthesi S2 frame

- **1145/51** flush-mounting box
- **1145/500** outdoor station
- **1148/21** button module (for kit 1150/301) or 1148/22 (for kit 1150/302)

MIRO AUDIO   SINTHESI S2

Installation drawing

5

4+1   4+2   7+2   2

V2

For system features/accessories, please refer to the dedicated section.

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TELEPHONE INTERFACES
SURGE PROTECTIONS, FILTERS AND SYSTEM ACCESSORIES

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T E L E P H O N Y

FROM TELEPHONY TO
COMMUNICATION SOLUTIONS

Telephony evolves with its functions into a tool capable of meeting a growing number of needs.
Urmet's interfaces (GSM, VoIP) and telephone integration modules offer multiple advantages.

• Communication becomes more practical and versatile: the telephone is no longer used for calls only, but acts as a control device for door phone functions, including door opening. This is especially convenient in large homes or homes with a garden.

• Fully hands-free operation for the utmost flexibility: simple Sinthesi outdoor station modules with integrated telephone functions provide a door opener system with advanced functions (multiple access management, light/camera activation, day/night, remote call), connection to PABX exchanges with intercom function.

• Significant saving: Urmet's innovative GSM and VoIP interfaces support alternative, low-cost telephone networks.

• The new VoIP devices support communication over the Internet using a simple ADSL line.

TELEPHONY EVOLVES AND BECOMES MORE VERSATILE

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EXCHANGES
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INTERFACES

TELEPHONE INTERFACES
economy management
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PROTECTIONS AND ACCESSORIES
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TELEPHONE INTERFACES

Domus Cell   GSM network

BCA telephone

A money saver

Telephone interfaces are devices which allow to connect telephone terminals to other equipments or communication networks. Specifically, we have door phone/telephone interfaces for door phone system

applications, "GSM/GPRS" interfaces for using the GSM network and "Telephone loudspeaking units" for integrating any telephone switchboard (PABX) with a "Sinthesi" loudspeaking unit. Each interface can offer various integration needs.

MAIN FEATURES
> COMMUNICATE ANYTIME, ANYWHERE
> SAVE MONEY ON TELEPHONE CALLS
> SIMPLE INSTALLATION
> FLEXIBLE MANAGEMENT

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Door phone/telephone interfaces

This device is used to allow communication, also at the same time, with a dial line and a loudspeaking unit using a single telephone and allowing to open the door. With a cordless phone, you can take incoming calls from anywhere in your home, e.g. from the garden, the balcony or the loft. Specifically, the new door phone interface 1332/40 offers various installation solutions: direct power from loudspeaking unit, management of two door units, door unit call confirmation tone, etc.

1332/40 ☎ **Door phone/telephone interface**
Interface device for telephone lines and door phone systems and replaces the 1332/30. One device connected to an analogue dial line and 4+n door phone system (this device must be connected to other dedicated interfaces). Allows to manage telephone and door phone calls to a single telephone terminal. Set up for connecting to two loudspeaking units and equipped with two relays for opening the door or for auxiliary services. Supplies power (+6Vdc) to a PE and different operating modes, programmable directly from the connected phone. Power: 12 Vac. Minimum consumption: 3/10VA. Installation: DIN bar. Dimensions: 108 (W) x 90 (H) x 55 (D) mm (6 DIN modules).

1332/40

1083/67 **2Voice-PSTN interface and video**
This device allows to connect an analogical telephone or a telephone interface or a PABX to a 2Voice system, to be able of using interphone services also through a telephone terminal. The video is supplied on a coax-type output for connection of compatible terminals.
This interface can be programmed in two modes: "internal place" or "call forwarding" as an aid to the 1083/40 gatekeeper lodge exchange.
• Power supply: 110/230Vac with power supply provided with kit
• Size: 10 DIN modules
• Size of Power Supply: 1.5 DIN modules

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TELEPHONE INTERFACES

Telephone loudspeaking unit

This is a Sinthesi module device with a 1 or 2 button basic configuration and 4 expansion buttons. It may be used as a normal analogue extension connected to a PABX and may be directly connected also to a GMS interface for monitoring remote accesses. The installation structure and the many available functions make it particular flexible and suited for applications in places hands-free conversation and reception is needed, e.g.: sterile rooms, outside, safety environments, etc. Furthermore, a wide variety of applications are possible using two relays: management of two locks, one camera, a light or a bell.

1148/1

1148/2

1148/4

1148/6

1148/1		**Sinthesi S2 module 1 button with telephone loudspeaking unit** Basic module, 1 button with built-in loudspeaking unit. Capable of managing up to 64 buttons. Each calling button may be associated with up to 2 numbers (day/night) of 16 digits each, password protected programming, pulse or tone dial, auto-on, 2 independent actuator relays configurable for different applications, automatic power on with externally power name tag lights. Adjustable speaker and microphone volume. Degree of protection: IP42. Min power voltage/current: 18Vdc/18mA. Light power: 12Vdc/10-12Vac. Max. light current: 300mA. One Sinthesi module in size. Supplied without flush-mounting box, frame or module holder case.
1148/2		**Sinthesi S2 module 2 buttons with telephone loudspeaking unit** Basic module, 2 buttons with built-in loudspeaking unit. Capable of managing up to 64 buttons. Each calling button may be associated with up to 2 numbers (day/night) of 16 digits each, password protected programming, pulse or tone dial, auto-on, 2 independent actuator relays configurable for different applications, automatic power on with externally power name tag lights. Adjustable speaker and microphone volume. Degree of protection: IP42. Min power voltage/current: 18Vdc/18mA. Light power: 12Vdc/10-12Vac. • Max. light current: 300mA. • One Sinthesi module in size. • Supplied without flush-mounting box, frame or module holder case.
1148/4		**Expansion module 4 buttons with telephone loudspeaking unit** 4 buttons module with basic module expansion 1148/1 or 1148/2 and integrated loudspeaking unit. Degree of protection: IP42. One Sinthesi S2 module in size. Supplied without flush-mounting box, frame or module holder case.
1148/6		**Expansion module 4 buttons with telephone loudspeaking unit** 4 buttons module with basic module expansion 1145/1 or 1145/2 and integrated loudspeaking unit. Degree of protection: IP42. One Sinthesi module in size. Supplied without flush-mounting box, frame or module holder case.

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**INNOVATION
IS ALSO THE
POSSIBILITY OF
COMMUNICATING
MORE COST-
EFFECTIVELY**

GSM interfaces

"Domus Cell" GSM connect
an analogue or traditional
analogue line of a PABX
with the mobile GSM network,
thus generating mobile-to-
mobile traffic (instead of land
line-to-mobile) which allows
to save on telephone costs by

exploiting better fees.
The device is also useful
as back-up emergency line.
"Domus Cell basic" can
be used to communicate
in ease using a table-top
telephone also where no
land line is available as long
as an adequate GSM mobile
network coverage is ensured.

The "Basic" model is
ready for managing voice
communications.
A SIM card (3V and 1.8V)
for mobile communication
like the one used in a normal
GSM telephone is required
for operation.

GSM INTERFACE

4203/11 ▢

DOMUS CELL BASIC 2 gsm interface
The device allows to route voice communications between analogue line (PABX or analog
telephone), and GSM telephone network (900 and 1800). Features: selection by DTMF and
pulse; Caller ID (CLI) with standard BT FSK, FSK Bell and DTMF; outgoing calls block;
programmable by phone or by PC with ref. 4203/50 optional board.
Dimensions (W x H x D): 94x64x29 mm (excluding antenna).
Weight: 105 grams (adapter not included).
Power: 230Vac with adapter.
Installation: wall mounted.

4203/11

4203/50 ▢

USB interface for DOMUS CELL BASIC 2 4203/11
It allows to interface the device 4203/11 to the PC USB port, for a easiest configuration via
software. The application software for Windows OS is supplied on CD (updated versions
are available in the area of the site www.urmet.com)

4203/50

NOTE: External antenna with 5 m cable UTD1067/014 can be used for particularly critical installations.

SURGE PROTECTIONS, FILTERS AND SYSTEM ACCESSORIES

1382/80

1332/85

1332/86

1382/81

1382/82

1382/21

SURGE PROTECTIONS AND FILTERS

1382/80		**Surge protection device for 230 Vac – 400 VA** power supply Replaces UTD1332/80. The device protects electric and electronic equipment from current surges and interferences on the 230Vac power supply line. Thanks to the certification pursuant to **European regulation EN61643-11/A11**, the device guarantees a high degree of protection, eliminates the "FOLLOW CURRENT" phenomenon and reduces the risk of service downtime. The device can be reset via micro-switch and features a warning LED that turns on to indicate that the protection is active. Test class: 3 Max. load: 400VA Installation: DIN bar (2 modules) or wall-mounted Dimensions (W x H x D): 36 x 103 x 57 mm
1382/85		**Surge protection device for 230 Vac** Replaces UTD1332/80. The device protects electric and electronic equipment from current surges and interferences on the 230Vac power supply line. Thanks to the certification pursuant to **European regulation EN61643-11/A11**, the device guarantees a high degree of protection, eliminates the "FOLLOW CURRENT" phenomenon and reduces the risk of service downtime. The device can be reset via micro-switch and features a warning LED that turns on to indicate that the protection is active. Test class: 3 Max. load: 400VA Installation: DIN bar (2 modules) or wall-mounted Dimensions (W x H x D): 36 x 103 x 57 mm
1332/86		**Mains filtering device, 230Vac, 4000VA** The device prevents the propagation of radio-frequency interference on the power network which could cause faults to electronic apparatus sensitive to such interference. For better results, use with protection device Ref. 1332/85 is recommended to exploit their complementary action. Power: 230Vac - 50Hz Attenuation: 60dB @ 2MHz. Max. current 20A Max. load: 4000VA Installation: DIN bar, 2 modules. Dimensions (W x H x D): 36 x 90 x 58 mm.
1382/81		**Protection device for 1 analogue telephone line** Replaces UTD1332/81. This device protects telephone switchboards (PABX) from power surges and induced disturbances from the telephone line connected to the PSTN network. Thanks to the certification pursuant to **European regulation EN61643-11/A11**, the device guarantees a high degree of protection. Load: 1 analogue telephone line Installation: DIN bar (2 modules) or wall-mounted Dimensions (W x H x D): 36 x 103 x 57 mm
1382/82		**Protection device for 2 analogue telephone lines** Replaces UTD1332/82. This device protects telephone switchboards (PABX) from power surges and induced disturbances from the telephone line connected to the PSTN network. Thanks to the certification pursuant to **European regulation EN61643-11/A11**, the device guarantees a high degree of protection. Load: 2 analogue telephone lines Installation: DIN bar (2 modules) or wall-mounted Dimensions (W x H x D): 36 x 103 x 57 mm
1382/21		**Surge protection device with "ADSL 2+" filter** The device integrates the functions of a telephone line surge protection and of a professional ADSL 2 filter (splitter). For maximum efficiency, install the protection on the telephone line near the PABX to be protected. The device will trip in presence of dangerous current surges on the line. Installation: wall mounted on DIN bar, 2 modules. Dimensions (W x H x D): 36 x 104 x 75 mm.

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SYSTEM ACCESSORIES

4850/1 📷 **Supplementary electronic ringer**
Supplementary electronic ringer for wall installation, high acoustic efficiency and adjustable volume and sound frequency. Can be connected to telephone line using RJ11 plug and terminals, fixed to wall or installed in flush-mounting boxes 502 and 503, self-powered from telephone line, three different selectable sound frequencies.
Dimensions (W x H x D): 145 x 101 x 42 mm.

4850/1

3850/1 **Supplementary electromechanical telephone ringer**
Supplementary electromechanical telephone ringer made of plastic with metal bell.
Power: > 26Vac 20-50Hz.
Installation: wall-mounted or flush-mounted with unified telephone socket.

2841/1 **Loud bell ringer 60 Vac, 50 Hz, 120 mm**
Loud bell ringer with wall support. Power: 60 Vac, 50 Hz. Diameter 120 mm.
Sound level: > 93 dBA @ 1m.
Installation: wall-mounted.

2841/2 📷 **Loud bell ringer 12 Vac, 50 Hz, 120 mm**
Loud bell ringer with wall support.
Power: 12 Vac, 50 Hz. Diameter 120 mm.
Sound level: > 93 dBA @ 1m.
Installation: wall-mounted.

2841/2

821 **Telephone call repeater**
Call repeater or traditional door phone repeater with 10-12 Vac and 6 Vac voltage.
Generates a 50Vac call on a max. load of 5 ringers Ref. 2841/1 or /2.
Power: 230 Vac.
Installation: bar fitted, 7 DIN modules.

[For connection to wireless ringers see page 80].

|Per
view|

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IP
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SOFTWARE FOR
CENTRALISED
MANAGEMENT

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URMET
CLOUD

VIDEO SURVEILLANCE
VIDEO
TRANSMISSION

SECURITY
KITS

INTEGRATION
BUILDING AUTOMATION

INTEGRATION PLATFORM
FOR BUILDING AUTOMATION

IPERVIEW:
INTEGRATION PLATFORM
FOR BUILDING AUTOMATION

Real-time integrated technological
and security system control.

A single modular system to manage:

- Intrusion alarm
- Fire alarm
- Gas detection
- CCTV
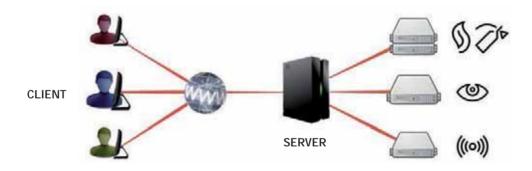
- Video door phone
- Personal emergency response systems and SOS panic alarm
- On/off devices

IPerView integrates different types of systems that operate together and interact, centralising remote systems control. Since it allows the interaction among remote systems, IPerView offers unlimited operational possibilities, and displays information in real time. The system must be installed after the plants, so it allows a customised plant management according to the needs of the single building.

CLIENT

SERVER

Based on client-server architecture, IPerView communicates with the control units and the peripheral devices:

- A central server for integration
- Peripheral interface units for subsystems
- One or more monitoring stations

IPerView offers more extended use functionalities with the systems:

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Is also compatible with third-party devices.

IPERVIEW
OPERATION
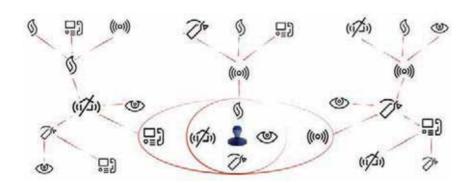
A customisable system.

IPerView software can be connected to several devices, ensuring interoperability among different systems; then the supervisor can check various scenarios, allowing lower operating

costs, uniform procedures and flexibility. IPerView has a map-based graphic interface where maps can be hierarchically arranged according to your needs. Moreover, the system allows

to view in real time the connected input and output devices, indicating:
• Location
• Type
• Status
• Operating logics

The system is equipped with a drag and drop interface, that allows to match devices and relevant sensors by simply dragging them with

your mouse. In case of alarm, IPerView reports the events, so it is possible to promptly manage them through checklists and action plans.

The system not only allows to focus on particular events, but also allows technical supervision and maintenance of systems.

Aim your smartphone here and watch the video on YouTube!

For product availability, please contact our sales network

INTEGRATION BUILDING AUTOMATION

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VIDEO SURVEILLANCE COAXIAL SYSTEM

VIDEO SURVEILLANCE HD-SDI SYSTEMS

VIDEO SURVEILLANCE AHD SYSTEMS

VIDEO SURVEILLANCE IP SYSTEMS

SOFTWARE FOR CENTRALISED MANAGEMENT

VIDEO SURVEILLANCE URMET CLOUD

VIDEO SURVEILLANCE VIDEO TRANSMISSION

SECURITY KITS

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VIDEO SURVEILLANCE

VIDEO SURVEILLANCE
COAXIAL SYSTEM

VIDEO SURVEILLANCE
HD-SDI
SYSTEMS

VIDEO SURVEILLANCE
AHD
SYSTEMS

VIDEO SURVEILLANCE
IP
SYSTEMS

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CENTRALISED
MANAGEMENT

VIDEO SURVEILLANCE
URMET
CLOUD

VIDEO SURVEILLANCE
VIDEO
TRANSMISSION

SECURITY
KITS

INTRODUCTION TO
VIDEO SURVEILLANCE

ENTRY LEVEL
FULL LEVEL
HIGH PROFILE

VIDEO SURVEILLANCE

A comprehensive range,
suitable for all applications:
• Traditional box cameras with new
  features
• Micro-cameras and compact cameras:
  where both aesthetics and security
  demand a discreet appearance.

• Ball cameras e mini dome cameras:
  rugged technology.
• Thera Series: innovative, professional
  and convenient
• Easy Dome: for 360° security

E

Entry level
Pag. 158

F

Full Level
Pag. 160

H

High Profile
Pag. 162

SYSTEMS

Coaxial system
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HD-SDI system
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AHD system
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IP system
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Cloud system
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urmet cloud

KITS
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VIDEO SURVEILLANCE

E Entry level

Professional and convenient products that are easy to install and use.

Pharmacy   Home   Coffee bar   Shop

FEATURES

- Complete range for any technological field
- Quick installation and programming
- Simple and user-friendly interface
- Remote management (via PC and mobile) thanks to UVS and iUVS SW
- Programmable video recording time

USE

- Ideal for small or medium-size stand-alone systems
- No specific scalability and future expansion required
- No device centralised management required
- Required (LAN, Internet) connection for viewing purposes through PC or smartphone

ADVANTAGES

- Limited access cost
- Easy installation
- Easy management
- Versatility of a system that can also be remotely controlled

E	BOX	BULLET and PTZ	DISPLAY	VIDEO MANAGEMENT	INSTALLATION ACC.	COMMON ACC.*
ANALOGUE SYSTEMS		1092/290, 1092/291, 1092/292, 1092/129A, 1092/678	1092/400, 1092/401B, 1092/407, 1092/419B		1092/300A, 1092/301, 1092/302, 1092/303, 1092/304, 1092/316, 1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	p. 173, 174, 187, 189, 192
LENSES refer to page 170						
AHD		1093/250, 1093/251, 1093/270, 1093/271, 1093/272		1093/525, 1093/526	1092/300A, 1092/301, 1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1092/202N	p. 229
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IP		1093/134M1, 1093/135M2, 1093/136M1, 1093/137M2, 1093/172M2, 1093/173M2, 1093/174M1			1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	p. 233
IP CLOUD		1093/184M11, 1093/184M12, 1093/184M14, 1093/184M15, 1093/184M16		1093/900	1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	

* power units, distributors, amplifiers, illuminators, camera and installation accessories

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VIDEO SURVEILLANCE

F Full level

A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.

Hotel and office buildings

Business and industry

Shopping centres

Warehouses

FEATURES

- Complete range for any technological field
- Solution scalable and modular features
- Device centralised management through UVS integrated management software
- Network connection (LAN/WAN)
- Remote management through iUVS App

USE

- Ideal for medium-large size systems
- System scalability according to changed requirements
- Complete centralised management of devices through a single software by means of a user-friendly interface
- Required (LAN, Internet) connection for viewing purposes through PC or smartphone

ADVANTAGES

- Competitive price
- Easy set-up and management
- Scalability: system can easily grow in time (number of cameras, Control Centres, other), thereby enhancing all investments already made
- Flexibility: system can be easily adapted to any transmission system (fibre optics, wireless, WAN, coaxial)
- easy to use: user-friendly controls/interfaces

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F	BOX	BULLET and PTZ	DISPLAY	VIDEO MANAGEMENT	INSTALLATION ACC.	COMMON ACC.*
ANALOGUE SYSTEMS		1092/218A, 1092/219A, 1092/603, 1092/677, 1092/136A	1092/400, 1092/407, 1092/421, 1092/427		1092/300A, 1092/301, 1092/302, 1092/303, 1092/304, 1092/316, 1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	p. 173, 187, 189, 192, 195
LENSES refer to page 170						
AHD					1092/300A, 1092/301, 1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1092/202N	p. 229
HD-SDI					1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	p. 2213, 223
IP				1093/908H, 1093/932H, 1093/908HP 1093/016HP	1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	p. 243
IP CLOUD					1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	

* power units, distributors, amplifiers, illuminators, camera and installation accessories

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VIDEO SURVEILLANCE

H | **High profile**

Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

Museums

Airports

Squares, public areas

Barracks

FEATURES

- Complete range for any technological field
- Solution scalable and modular features
- Device centralised management through UVS integrated management software
- Network connection (LAN/WAN)
- Remote management through iUVS App
- Management of "hybrid" systems (analogue - Ahd - Hd-Sdi- IP) from a single SW interface (UVS)

USE

- Dedicated to open system architectures, like large shopping centres, stadiums, museums and large areas
- System scalability according to changed requirements
- Complete centralised management of devices through a single software by means of a user-friendly interface
- Required (LAN, Internet) connection for viewing purposes through smartphone

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H	BOX	BULLET and PTZ	DISPLAY	VIDEO MANAGEMENT	ACC. IMPIANTO	ACC. COMUNI*
ANALOGUE SYSTEMS	1092/165A	1092/209B, 1092/225, 1092/676	1092/400, 1092/407, 1092/421, 1092/427, 1092432A, 1092/442A		1092/300A, 1092/301, 1092/302, 1092/303, 1092/304, 1092/316, 1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	p. 173, 187, 189, 192
LENSES refer to page 170						
AHD				1093/524, 1093/527, 1093/528,	1092/300A, 1092/301, 1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1092/202N	p. 229
HD-SDI	1093/300	1093/302A, 1093/308, 1093/311, 1093/600,		1093/504A, 1093/508A, 1093/516A	1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	p. 213, 223
IP	1093/181M20	1093/182M23, 1093/183M21, 1093/654M2		1093/932HP	1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	p. 243
IP CLOUD					1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	

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VIDEO SURVEILLANCE COAXIAL SYSTEM

CAMERA UNITS
ACCESSORIES
MONITOR
DVR

STANDARD SOLUTIONS
CAMERA UNITS

MAIN FEATURES
> INDOOR AND OUTDOOR SOLUTIONS
> WIDE RANGE OF PRODUCTS
> EASY SETTING
> WIDE RANGE OF ACCESSORIES

A comprehensive range,
suitable for all applications:
• Traditional box cameras with
  new features
• Micro-cameras and
  compact cameras: where
  both aesthetics and

security demand a discreet
appearance.
• Ball cameras e mini dome
  cameras: rugged technology.
• Thera Series: innovative,
  professional and convenient
• Easy Dome: for 360° security

E

Entry Level

Professional and convenient
products that are easy to install
and use.

F

Full Level

A comprehensive range of modular
products that can be constantly
updated and integrated as the
system's use requirements
change. All video management
solutions allow both local and
remote management, with
interchange between different
systems. A wide choice of devices
ideal for building systems with a
medium level of complexity.

H

High Profile

Products and solutions for large
and complex systems, such
as those installed in shopping
centres, stadiums, museums and
high-risk or sensitive areas.

Besides the various analogue
solutions available, for this specific
segment Urmet also recommends
its comprehensive IP range.

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SEGMENTS/PRODUCTS

		Page No.	ENTRY LEVEL	FULL LEVEL	HIGH PROFILE
	BOX CAMERA	169			1092/165A
	MICRO-CAMERAS AND COMPACT CAMERAS	176/179	1092/290 1092/291 1092/292	1092/218A 1092/219A	1092/209B 1092/225
	BALL CAMERAS AND MINI DOME CAMERAS	183/185	1092/129A 1092/151 1092/142B	1092/136A	
	MINI SPEED DOME THERA SERIES	190/192			1092/603
	EASY DOME IV	194			1092/676 1092/677 1092/678

SYMBOL KEY

E	Entry Level
F	Full Level
H	High Profile
	TVL Resolution
	Power supply
	Lens
	OSD

ACCESSORIES

	Page No.
Box camera Accessories	
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Ball Camera and Mini Dome Camera Accessories	185
Camera unit accessories	187

STANDARD SOLUTIONS
BOX CAMERA

ENTRY LEVEL　　　　**FULL LEVEL**　　　　**HIGH PROFILE**

MAIN FEATURES
> CCD 1/3″ SENSORS
> CHOICE OF FIXED MANUAL AND VARIFOCAL
  LENSES (INCLUDING IN AUTOIRIS MODE)

BOX CAMERA DAY&NIGHT

BOX CAMERA DAY&NIGHT

1092/165A 📷 **750TVL Day&Night Camera, with IR Cut Filter, DSS, DNR and WDR, 230Vac power supply**
- Sensor: CCD 1/3" Sony Super HAD
- Minimum sensitivity: 0.5 Lux (colour) / 0.01Lux (B/W) / 0.005 Lux (with sens-up On)
- Horizontal resolution: 750 TVL
- Mechanically removable IR Cut filter
- Power supply: 230 Vac
  Lens not included

H 1092/165A

OSD · 750 · 230Vac

TECHNICAL FEATURES

Sensor type	CCD 1/3" – SONY SUPER HAD CCD
Sensitive elements	752(H)x582(V) pixel
Sensitivity	0.5 LUX colour; 0.01 LUX B/W
Resolution	750 TVL
S/N ratio	>50dB
Synchronization	Internal
Lens compatibility	DC Drive
Auto shutter	1/50 1/100,000 sec (ON/OFF)

FUNCTIONS

White balancing:	ADJUSTABLE
Back Light Compensation (BLC)	ADJUSTABLE
Gain control (AGC)	ADJUSTABLE
IR CUT filter	YES
DNR	YES
DSS	YES
OSD menu	YES
Other functions	HLC - SMART IR - DCP - Lens shading - Anti CR - RS485 - Motion Detector - Real WDR

GENERAL DATA

Video output	composite output 1 Vpp, 75 Ohm
Power supply	230 Vac
Consumption	200 mA
Operating temperature	0-50°C
Storage temperature	-30-60°C
Dimensions (W x D x H)	117 x 71 x 60 mm
Weight	320g
Use	Indoor / Outdoor inside housing

ACCESSORIES

Housings - Brackets - Lenses - Illuminators	see specific section

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STANDARD SOLUTIONS
LENSES

FIXED FOCAL:

> LENSES WITH FIXED FOCAL LENGTH

VARIFOCAL:

> LENSES WITH MANUALLY ADJUSTABLE FOCAL
LENGTH. SUITABLE FOR USE IN A WIDE RANGE
OF CONTEXTS

A comprehensive range including fixed focal and varifocal lenses, available in manual iris or autoiris version. The choice of lens is a strategic one and is affected by several factors:
• lighting conditions (i.e., indoor, outdoor, daytime, night-time...);

• type of sensor (which affects lens response and thus final shooting quality);
• shooting requirements: wide angle, telephoto lens.

1090/550

H

1090/552

E F H

1090/553

E F H

1090/545-546-547

E F

1090/549-551

H

1092/500

E F

1092/503-505

H

E Entry Level   F Full Level   H High Profile

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Lenses can be broken down as follows:

- **Fixed focal length:** where focal length (as defined below) is fixed; fixed focal lenses can be used in video shooting with just one reference plane, where scene brightness is more or less constant;
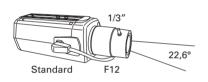
- **Variable focal length:** where focal length (as defined below) can be manually adjusted during installation or setup;
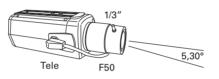
- **Zoom:** lenses designed to offer the chance to change lens focal length physical features, thereby allowing the user to change the zoom level; these lenses are identified by their zoom level (x6, x10...). They are available in a manual and in a motor-driven version.
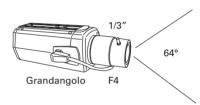
A shooting angle increase results in a wider shooting range, as illustrated in the picture below.

Standard	F12	22,6°
Tele	F50	5,30°
Grandangolo	F4	64°

Calculating focal length (camera with 1/3″ CCD sensor)

When *width (W)* and *distance (D)* are known:

$$Correct\ focal\ length\ (mm) = \frac{Distance\ from\ lens\ (m)\ x\ Sensor\ dimension\ (mm)}{Width\ (m)}$$

Example:
To shoot an 8-metre wide area located at 20 metres from the lens:
Correct focal length (mm) for CCD 1/3″ = (20 x 4.8) : 8 = 12 mm

When height (h) and distance (D) are known:
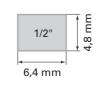
$$Correct\ focal\ length\ (mm) = \frac{Distance\ from\ lens\ (m)\ x\ Sensor\ dimension\ (mm)}{Height\ (m)}$$
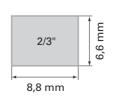
Example:
To shoot 4 m high at 10 m from the lens:
Correct focal length (mm) for CCD 1/3″ = (10 x 3.6) : 4 = 9 mm

STANDARD CCD SIZES

1/4"	2,7 mm	3,6 mm
1/3"	3,6 mm	4,8 mm
1/2"	4,8 mm	6,4 mm
2/3"	6,6 mm	8,8 mm
1"	9,525 mm	12,7 mm
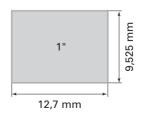
NOTE This calculation gives a rough figure referred to a 1/3″ CCD sensor

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STANDARD SOLUTIONS
LENSES

1090/550
[H]

1090/552
[E] [F] [H]

1090/553
[E] [F] [H]

1090/545-546-547
[E] [F]

1090/549-551
[H]

1092/500
[E] [F]

1092/503-505
[H]

LENSES

ITEM NO.	Focal Length (mm)	Maximum Aperture	Horizontal view angle	Lens Size (mm)	Format
MANUAL VARIFOCAL LENSES					
1090/550*	5 - 100	F1.6 - C	51 - 2.7	80	1/3"
AUTOIRIS DC DRIVER LENSES					
1090/545	3.5 - 8	F1.2 - 300	77 - 33	47	1/3"
1090/546*	2.8 - 12	F1.4 - 300	81 - 28	65	1/3"
1090/547*	5 - 50	F1.6 - 300	51 - 5	72	1/3"
1090/549*	2.8 - 6	F1.4 - 300	82 - 43	36.8	1/3"
1090/551*	5 - 100	F1.6 - 300	51 - 2.7	80	1/3"
AUTOIRIS DC DRIVER LENSES (FOR USE WITH DAY&NIGHT CAMERAS)					
1090/552	2.8 - 12	F1.4 - 300	81 - 22	68	1/3"
1090/553	5 - 50	F1.4 – 300	51 - 5	73.5	1/3"

MEGAPIXEL LENSES

ITEM NO.	Focal Length (mm)	Maximum Aperture	Horizontal view angle	Lens Size (mm)	Format
MEGAPIXEL VARIFOCAL DC DRIVER LENSES					
1092/500*	4.5 - 14	F1.6 - 300	106 - 32	58	1/2"
2 MEGAPIXEL VARIFOCAL DC DRIVER LENSES					
1092/503*	2.8 - 12	F1.6 - C	51 - 2.7	80	1/3"
1092/505*	3 - 8	F1.2 - 300	77 - 33	47	1/3"
3 MEGAPIXEL VARIFOCAL DC DRIVER LENSES					
1092/506*	8 - 50	F1.6 - 360	34 - 25	73.5	1/3"
1092/507	2.8 - 12	F1.4 - 300	103 - 31	47	1/2.7"

* Please contact our sales network to verify product availability

[E] Entry Level   [F] Full Level   [H] High Profile

BOX CAMERA
ACCESSORIES

HOUSING KITS

1092/830   **Outdoor housing kit**
- Side opening with slide integrated on housing body
- Made of extruded aluminium
- IP66
- External dimensions: 140 (W) x 120 (H) x 395 (D) mm
- Weight: 1760 g
- Heating kit: 230Vac
- BRACKET INCLUDED

1090/830

1090/809   **Outdoor housing kit**
- Sliding extractable body with coupling system
- Made of extruded aluminium
- External dimensions: 105 (W) x 95 (H) x 315 (D) mm
- Internal dimensions: 70 (W) x 65 (H) x 300 (D) mm
- Weight: 1.4 Kg
- Protection class: IP55
- Heating kit: 230Vac
- BRACKET NOT INCLUDED

1090/809

BRACKETS AND ADAPTERS

1090/807   **Housing bracket 1090/809**
- Cables routed externally
- Load capacity: 15 Kg
- Weight: 0.5 kg

1092/832   **Pole adapter for housing 1092/830**
- Pole: diameter 60-110 mm
- Weight: 1.3 Kg
- Dimensions: 110 x 175 mm

1090/809

1090/832

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SECURITY KITS

ILLUMINATORS

ILLUMINATORS

1092/895*   **Outdoor IR illuminator with hood X IR LED, 70m - X degrees**
- X High-efficiency Infrared LEDs
- 12Vdc – 550mA MAX
- Maximum range: 70 metres
- Internal twilight sensor for operation with illumination level below 10 lux

E
- Dimensions: 72 x 72 x 100 mm
- IP66

1092/896*   **Outdoor IR illuminator with hood X IR LED, 100m - X degrees**
- X High-efficiency Infrared LEDs
- 12Vdc – 550mA MAX
- Maximum range: 100 metres
- Internal twilight sensor for operation with illumination level below 10 lux

E
- Dimensions: 72 x 72 x 100 mm
- IP66

* Please contact our sales network to verify product availability

COMPARATIVE CHART	1092/895	1092/896
TECHNICAL FEATURES		
Number of IR LEDs	3	8
IR wave length	850nm	850nm
MAX range (using cameras having a sensitivity equal to or higher than 0.3 Lux and F1.3 lens)	70m	120m
IP degree	IP66	IP66

GENERAL DATA		
Power supply:	12VDC	12VDC
Recommended power unit (not included)	1092/801	1092/801
Dimensions (mm)	672 x 335 x 263	515 x 390 x 370
Bracket	Included	Included

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STANDARD SOLUTIONS
MICRO-CAMERAS AND COMPACT CAMERAS

ENTRY LEVEL

FULL LEVEL

HIGH PROFILE

APPLICATION
SUGGESTIONS

MAIN FEATURES

> SUITABLE FOR ANY INSTALLATION CONTEXT
> RELIABLE
> IDEAL FOR INDOOR AND OUTDOOR
   INSTALLATION

Urmet's range of camera units has been updated with the addition of new micro-cameras and special cameras. These new products, which are suitable for any type of installation, combine a discreet appearance with professional quality performance.
This new range of high-performance compact cameras includes customisable solutions able to meet multiple installation needs.

The technology they rely on allows us to obtain a high reliability even on such small products.
Urmet offering now entails further advantages: the new compact cameras feature higher resolutions, high reliability and the convenience to set up any system tailored to customer's requirements, obtaining utmost cost-effectiveness and performance to satisfy all expectations.

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SECURITY KITS

MICRO-CAMERAS
AND COMPACT CAMERAS

1092/290

1092/291

1092/292

COLOUR MICRO-CAMERAS

1092/290 1/3'', 3.7mm Day&night Micro-camera with pinhole lens
- Sensor: SONY CCD 1/3"
- Horizontal resolution: 420 TVL
- Lens: pinhole 3.7 mm/F2
- Power supply: 12Vdc
Recommended power unit: 1092/800
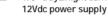
E 3.7 mm 420 12VDC

1092/291 1/3" Day&night camera hidden in theft alarm system detector housing.
12Vdc power supply
- Sensor: SONY CCD 1/3"
- Horizontal resolution: 420 TVL
- Pinhole lens, 3.7 mm focal length/F2
- Power supply: 12Vdc
- Articulation included
Recommended power unit: 1092/800

E 3.7 mm 420 12VDC
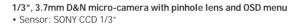
1092/292 1/3", 3.7mm D&N micro-camera with pinhole lens and OSD menu
- Sensor: SONY CCD 1/3"
- Horizontal resolution: 700
- Lens: pinhole 3.7 mm/F2
- OSD menu
- Adjustable Functions: BLC, AGC, 2DNR, Motion detector, White balancing
- Power supply: 12 Vdc (Recommended power unit 1092/800)

E 3.7 mm 700 12VDC OSD

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1092/218A 🔲 **1/3" 2.8-12mm compact Day&Night camera with IR LED, IR Cut Filter and OSD menu**
- Sensor: 1/3" SONY EX-VIEW
- Sensitivity: Colour: 0.1Lux@F1.2, B/W: 0.08Lux@F1.2
- Lens: 2.8-12mm
- Horizontal resolution: 700 TVL
- IR Cut filter
- OSD menu
- Back Light Compensation: OFF/ON/DRC (Dynamic range control)
- Number of LED units: 42
- IR LED range: 30 m
- 2DNR (Dynamic Noise Reduction)
- D-WDR (Digital Wide Dynamic Range),
- 8 Privacy Zones
- IR SMART function
- Lens shading
- Motion Detector
- Protection class: IP66
- Power supply: 12Vdc
- Consumption: 600mA
- Dimensions: 78x165 mm
- Bracket included
- Recommended power unit: 1092/801

1092/218A

| F |

| 2.8-12mm | 700 |
| 12VDC | OSD |

1092/219A 🔲 **1/3" 6-22mm compact Day&Night camera with IR LED, IR Cut Filter and OSD menu**
- Sensor: 1/3" SONY EX-VIEW
- Sensitivity: Colour: 0.1Lux@F1.2, B/W: 0.08Lux@F1.2
- Lens: 6-22mm
- Horizontal resolution: 700 TVL
- IR Cut filter
- OSD menu
- Back Light Compensation: OFF/ON/DRC (Dynamic range control)
- Number of LED units: 42
- IR LED range: 30 m
- 2DNR (Dynamic Noise Reduction)
- D-WDR (Digital Wide Dynamic Range)
- 8 Privacy Zones
- IR SMART function
- Lens shading
- Motion Detector
- Protection class: IP66
- Power supply: 12Vdc
- Consumption: 600mA
- Dimensions: 78x165 mm
- Bracket included
- Recommended power unit: 1092/801

1092/219A

| F |

| 6-22mm | 700 |
| 12VDC | OSD |

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MICRO-CAMERAS
AND COMPACT CAMERAS

COMPARATIVE CHART	1092/218A	1092/219A
TECHNICAL FEATURES		
Sensor type	1/3" SONY EX-VIEW	1/3" SONY EX-VIEW
Sensitive elements	960H 1024(H)x582(V) pixel	960H 1024(H)x582(V) pixel
Sensitivity	Colour: 0.1Lux@F1.2, B/W: 0.08Lux@F1.2	Colour: 0.1Lux@F1.2, B/W: 0.08Lux@F1.2
Resolution	700 TVL	700 TVL
Lens	Varifocal f2.8-12mm manual	Varifocal f 6-22mm manual
S/N ratio	>50dB	>50dB
Synchronization	Internal	Internal
Number of LEDs	42	42
IR LED range/opening angle	30m / ±60°	35m / ±45/60°
Shutter control	1/50 ~ 1/100000 sec (AUTO)	1/50 ~ 1/100000 sec (AUTO)

FUNCTIONS		
White balancing:	ADJUSTABLE	ADJUSTABLE
Back Light Compensation (BLC)	ADJUSTABLE	ADJUSTABLE
Gain control (AGC)	ADJUSTABLE	ADJUSTABLE
IR CUT filter	YES	YES
2DNR	YES	YES
DSS	NO	NO
OSD menu	YES	YES
Other functions	DWDR - HLC - SMART IR	DWDR - HLC - SMART IR

GENERAL DATA		
Video output	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm
Power supply	12 VDC	12 VDC
Consumption	600 mA	600 mA
Operating temperature	-10-50°C	-10-50°C
Storage temperature	-20-60°C	-20-60°C
Dimensions (Ø x L)	78 x 165	78 x 165
Weight	800g	800g
IP protection class	IP66	IP66
Use	Indoor/outdoor	Indoor/outdoor

ACCESSORIES		
Power unit	1092/801	1092/801

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COMPACT CAMERAS

1092/209B

1/3" 3.5-16mm compact Day&Night camera with IR LED, IR Cut Filter, WDR, and Multi-language OSD menu
• Sensor: 1/3" Sony CCD 960H
• Sensitivity: Colour: 0.3Lux, B/W:0.1lux Colour DSS:0.0005lux, B/W DSS:0.0002lux
• Lens: 3.5-16mm
• Horizontal resolution: 750 TVL
• IR Cut filter
• Multi-language OSD menu
• Back Light Compensation: OFF/ON/AUTO
• Number of LED units: 42
• IR LED range: 45 m
• 2DNR (Dynamic Noise Reduction)
• WDR (real Wide Dynamic Range)
• 8 Privacy Zones
• DSS (Digital Slow Shutter)
• IR SMART function
• Lens shading
• Motion Detector
• Protection class: IP65
• Power supply: 12Vdc
• Consumption: 450mA
• Dimensions: 348x114 mm
• Bracket included
• Recommended power unit: 1092/801

1092/209B

H

3.5-16mm | 750 | 12VDC | OSD

1092/225

1/3" 5-50mm compact Day&Night camera with 10X ZOOM and IR LED, IR Cut Filter and OSD menu
• Sensor: 1/3" SONY
• Sensitivity: 0.01Lux colour;0.001Lux D/N
• Lens: 5-50mm (motorised 10X zoom) -Autofocus
• Horizontal resolution: 700 TVL
• IR Cut filter
• OSD menu
• Back Light Compensation: OFF/ON/DRC (Dynamic range control)
• Number of LED units: 42 + 2 LED ARRAY
• IR LED range: 50 m
• 2DNR (Dynamic Noise Reduction)
• D-WDR (Digital Wide Dynamic Range)
• 8 Privacy Zones
• IR SMART function
• RS485
• Motion Detector
• Protection class: IP66
• Power supply: 12Vdc
• Consumption: 650mA
• Dimensions: 70x150 mm
• Bracket included
• Recommended power unit: 1092/801

1092/225

H

5-50mm | 700 | 12VDC | OSD

MICRO-CAMERAS
AND COMPACT CAMERAS

COMPARATIVE CHART	1092/209B	1092/225
TECHNICAL FEATURES		
Sensor type	1/3" Sony CCD 960H	1/3" Sony
Sensitive elements	1108(H)x596(V) pixel	960(H)x582(V) pixel
Sensitivity	Colour: 0.3Lux, B/W:0.1lux Colour DSS:0.0005lux, B/W DSS:0.0002lux	0.01Lux colour; 0.001Lux D/N
Resolution	750 TVL	700 TVL
Lens	Varifocal AutoIris - F 1.2 f3.5-16mm manual	Zoom 10X 5mm~50mm F1.2 Autofocus
S/N ratio	>50dB	>50dB
Synchronization	Internal	Internal
Number of LEDs	42	42 + 2 LED ARRAY
IR LED range/opening angle	45m / ±45/60°	50 metres / ±45/15°
Shutter control	50-100.00 +DSS	50-100.00 +DSS

FUNCTIONS		
White balancing:	ADJUSTABLE	ADJUSTABLE
Back Light Compensation (BLC)	ADJUSTABLE	ADJUSTABLE
Gain control (AGC)	ADJUSTABLE	ADJUSTABLE
IR CUT filter	YES	YES
DNR	YES	YES
DSS	YES	YES
OSD menu	YES (Multi-language)	YES
Other functions	HLC - SMART IR - DCP - Lens shading - Anti CR - RS485 - Motion Detector - Real WDR	HLC - SMART IR - Lens shading - RS485 - Motion Detector

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	1092/209B	**1092/225**
GENERAL DATA		
Video output	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm
Power supply	12 VDC	12 VDC
Consumption	450 mA	650mA
Operating temperature	-10-50°C	-10-50°C
Storage temperature	-30-60°C	-30-60°C
Dimensions (Ø x L)	348x114mm	70x150mm
Weight	1277g	1200g
IP protection class	IP65	IP66
Use	Indoor/outdoor	Indoor/outdoor

ACCESSORIES		
Power unit	1092/801 or 1092/804	1092/801 or 1092/804

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BALL CAMERAS AND MINI DOME CAMERAS

ENTRY LEVEL

HIGH PROFILE

APPLICATION
SUGGESTIONS

MAIN FEATURES

> WIDE SHOOTING ANGLE
> HIGH IP DEGREE AND VANDAL
   RESISTANT HOUSING

These sturdy and discreet cameras offer 360° security, combining cutting-edge technology, a pleasant-looking design and compact dimensions. Urmet's new vandal resistant ball cameras and a wide range of mini dome cameras can be used to create virtually any kind of system according to specific installation and performance requirements. All models feature a wide view angle and tamper protection systems.

ürmet

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BALL CAMERAS AND MINI DOME CAMERAS

1092/129A* 1/3" day&night VANDAL RESISTANT mini dome camera, with 3.6 mm lens and IR LED
- Sensor: CMOS 1/3"
- Horizontal resolution: 620 TVL
- Sensitivity: Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON
- IR CUT filter
- Lens: 3.6 mm/F2
- Number of IR LEDs: 24
- IR LED range: 10 m
- Electronic functions: AGC - AWB – BLC
- Protection class: IP65
- Power supply: 12 Vdc
- Consumption: 210mA
- Dimensions: 92x80 mm
- Recommended power unit: 1092/800

1092/129A

1092/151* 1/3" day&night VANDAL RESISTANT Ball Camera with 2.8-12mm lens and IR LED
- Sensor: 1/3" SONY EXMOR 1.37Megapixel
- Sensor horizontal resolution: 1000 lines
- Sensitivity: Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON
- Lens: 2.8-12 mm varifocal
- Number of IR LEDs: 36
- IR LED range: 25m
- IR CUT filter
- OSD menu
- Adjustable functions: AGC - AWB – BLC
- Protection class: IP65
- Power supply: 12 Vdc
- Consumption: 300mA
- Dimensions: 119x84 mm
- Recommended power unit: 1092/801

1092/151

1092/142B* 1/3" day&night VANDAL RESISTANT Ball Camera with 2.8-12mm lens and IR LED
- Sensor: 1/3" CCD SONY SUPER HAD
- Sensor horizontal resolution: 700 TVL
- Sensitivity: Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON
- Lens: 2.8-12 mm varifocal
- Number of IR LEDs: 36
- IR LED range: 25m
- Electronic functions: AGC - AWB – BLC
- Protection class: IP65
- Power supply: 12 Vdc
- Consumption: 300mA
- Dimensions: 119x84 mm
- Recommended power unit: 1092/801

1092/142B

*Please contact our sales network to verify product availability

STANDARD SOLUTIONS
BALL CAMERAS AND MINI DOME CAMERAS

COMPARATIVE CHART	1092/129A	1092/151	1092/142B
TECHNICAL FEATURES			
Sensor type	1/3" CMOS Sensor	1/3" SONY EXMOR 1.37Megapixel	1/3" CCD SONY SUPER HAD
Sensitive elements	756 pixel (H) x 504 pixel (V)	1305(H)x1049(V) pixel	960H 1024(H)x582(V) pixel
Sensitivity	Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON	Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON	Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON
Resolution	620 TVL	1000 TVL	700 TVL
Lens	fixed 3.6 mm / F2	Varifocal f2.8-12mm manual	Varifocal f2.8-12mm manual
Type	Ball	Ball	Ball
S/N ratio	>48 dB	>48 dB	>50 dB
Synchronization	Internal	Internal	Internal
Number of LEDs	24	36	36
IR LED range/opening angle	10m / ±30°	25m / ±60°	25m / ±60°
Shutter control	1/50 ~ 1/100000 sec (AUTO)	1/50 ~ 1/100000 sec (AUTO)	1/50 ~ 1/100000 sec (AUTO)

FUNCTIONS			
White balancing (AWB)	AUTO	ADJUSTABLE	AUTO
Back Light Compensation (BLC)	AUTO	ADJUSTABLE	AUTO
Gain control (AGC)	AUTO	ADJUSTABLE	AUTO
IR CUT filter	YES	YES	NO
DNR	NO	YES	NO
DSS	NO	NO	NO
OSD menu	NO	YES	NO
Other functions	NO	Motion Detector - Privacy Zones - electronic zoom	NO

GENERAL DATA			
Video output	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm
Power supply	12 VDC	12 VDC	12 VDC
Consumption	210 mA	300 mA	300 mA
Operating temperature	0-45°C	0-45°C	-10÷45°c
Storage temperature	-30-60°C	-30-60°C	-30-60°C
Dimensions (W x D)	92 x 80	119 x 84	119 x 84
Weight	130g	740g	740g
IP protection class	IP65	IP65	IP65
Vandal resistant	NO	YES	YES
Use	Indoor	Indoor/outdoor	Indoor/outdoor

ACCESSORIES			
Power unit	1092/800	1092/801	1092/801
Bracket			

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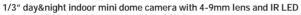
1092/136A* 📷 **1/3" day&night indoor mini dome camera with 4-9mm lens and IR LED**
- Sensor: CCD 1/3" SONY EXview HAD CCD II
- Horizontal resolution: 700 TVL
- Sensitivity: Colour: 0.1Lux@F1.2, B/W: 0.08Lux@F1.2 – 0 Lux with IR LED On
- Lens: 4 -9 mm varifocal
- Number of IR LEDs: 24
- IR LED range: 16m
- OSD menu
- Back Light Compensation: OFF/ON/AUTO
- Electronic functions: AGC - AWB – ATR
- 2DNR (Dynamic Noise Reduction)
- IR SMART function
- Motion Detector
- Power supply: 12Vdc
- Consumption: 500mA
- Dimensions: 118x85 mm
- Recommended power unit: 1092/801

F

4-9mm	720
12VDC	OSD

1092/136A

*Please contact our sales network to verify product availability

ACCESSORIES

1092/145A* 📷 **Wall bracket for mini dome cameras 1092/144B and 1093/305**

*Please contact our sales network to verify product availability

1092/145A | F | H |

STANDARD SOLUTIONS
BALL CAMERAS AND MINI DOME CAMERAS

1092/136A

TECHNICAL FEATURES

Sensor type	Sensitive elements	Sensitivity	Resolution	Lens	Type	S/N ratio	Synchroni-zation	Number of LEDs	IR LED range/ opening angle	Shutter control
CCD 1/3″ SONY EXview HAD CCDII	960H 1024(H) x596(V) pixel	Colour: 0.1Lux@F1.2, B/W: 0.08Lux@ F1.2 – 0 Lux with IR LED On	700 TVL	Varifocal f4 -9mm manual	Dome	>50 dB	Internal	24	16m / ±30°	1/50 ~ 1/100000 sec (AUTO)

FUNCTIONS

White balancing (AWB)	Back Light Compensa-tion (BLC)	Gain control (AGC)	IR CUT filter	DNR	DSS	OSD menu	Other functions
ADJUSTABLE	ADJUSTABLE	ADJUSTABLE	NO	YES	NO	YES	IR SMART - ATR - MOTION DETECTOR

GENERAL DATA

Video output	Power supply	Consumption	Operating temperature	Storage temperature	Dimensions (W x D)	Weight	IP protection class	Vandal resistant	Use
composite output 1 Vpp, 75 Ohm	12 VDC	500 mA	-10÷45°c	-30-60°C	118 x 85	830g	-	NO	Indoor

ACCESSORIES

Power unit	Bracket
1092/801	-

STANDARD SOLUTIONS
CAMERA UNIT ACCESSORIES

MAIN FEATURES
> POWER UNITS FOR ALL PRODUCT RANGES
> BRACKETS AND ADAPTERS FOR ALL APPLICATIONS

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CAMERA UNIT ACCESSORIES

1090/850

1092/800

1092/804

VIDEO POWER UNITS

1090/829	**230Vac – 12Vdc Power unit** • Suitable for the entire range of b/w and colour cameras. Suitable for installation in housing 1090/809 with the accessory supplied • Input voltage: 230Vac • Output voltage: 12Vdc – 400 mA • Weight: 400 g • Dimensions: 82(L) x 72(H) x 35(D) mm
1090/850	**230Vac – 15Vdc – 12Vdc Power unit** • Power supply: 230 V~±10%, 50/60 Hz • Power: 5 VA rated • Output: Vout= 12V, 0.18 A (with P1 - P2 jumper) Vout= 15V, 0.18 A (without P1 - P2 jumper) • Protection: PTC thermistor (on secondary circuit) • Operating temperature range: -10° C, + 40° C • Weight: 300 g • Dimensions: 65(L) x 63(H) x 45(D) mm
1092/800	**230Vac – 12Vdc – 500mA Plug-in power unit** • Input voltage: 230Vac • Output voltage: 13.2Vdc - 500 mA • Weight: 105 g • Dimensions: 28(L) x 40(H) x 74(D) mm
1092/801	**230Vac – 12Vdc – 1200mA Plug-in power unit** • Input voltage: 230Vac • Output voltage: 13.2Vdc - 1200 mA • Weight: 135 g • Dimensions: 30(L) x 43(H) x 82(D) mm
1092/804	**230Vac – 12Vdc – 3A – 4 Output Multi-power unit** • Input voltage: 230Vac • Output voltage: 13.2 Vdc – total 3A • Available outputs: 4 • Maximum available current per output: 1.5A (Total 3A) • Weight: 668 g • Dimensions: 162 (W) x47 (H) x162 (D) mm

ACCESSORIES

1090/717	**Pole collar for brackets 1090/817 and 1090/807** • Pole: Ø 65 – 110 mm • Weight: 1.2 Kg • Dimensions: 110 x 175 mm
1090/813	**Wall bracket for CCD camera, length 140 mm**
1090/814	**Wall bracket for CCD camera, length 190 mm**
1092/832	**Pole adapter for housing 1092/830** • Pole: diameter 60-110 mm • Weight: 1.3 Kg • Dimensions: 110 x 175 mm
1090/836	**BNC connectors - 4 pcs. pack (screw type)**
1090/837	**BNC connectors - 4 pcs. pack (crimp-type)**
1090/840	**Camera power cable with 90° connector**

CAMERA ACCESSORIES

1090/190	**Microphone for audio applications** Microphone for audio applications, suitable and compatible with the entire camera range. Connectors: Power IN JACK; Power OUT JACK; audio signal RCA. Power supply: 12Vdc ± 10%.

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INSTALLATION ACCESSORIES

VIDEO DISTRIBUTORS

1090/726   **Video distributor 1 input / 4 outputs**
- Power supply: 230 Vac
- S/N ratio: › 55 dB
- Weight: 2.2 kg
- Dimensions: 216(L) x 44(H) x 240(D) mm

1090/727   **Video distributor 1 input / 8 outputs**
- Power supply: 230 Vac
- S/N ratio: › 55 dB
- Weight: 2.2 kg
- Dimensions: 216(L) x 44(H) x 240(D) mm

1090/730   **Miniaturised video distributor**
It is used to distribute the video signal from a camera to up to 4 monitors. Thanks to its compact size it can be installed on the wall or inside a connection box. It must be powered with the 1090/850 power unit using the 12Vdc output without adapter.
- Power supply: 15Vdc 30mA
- Connections: does not require BNC connectors
- Dimensions 96(L) x 28(H) x 65(D) mm

1090/726

1090/727

VIDEO AMPLIFIERS

1092/729   **Video amplifier 1 input / 1 output**
- Video input: 1
- Video output: 1
- Linear gain: › 13dB
- Power supply: 230 Vac
- Weight: 2.2 kg
- Dimensions: 216(L) x 44(H) x 240(D) mm

NOTE: Not compatible with AHD products

INSTALLATION ACCESSORIES

1092/731   **Video isolation transformer**
Isolation transformer designed for 75 Ohm coaxial video lines.
Protects video signals from distortions caused by ground potential differences
and proximity to power cables.
- Insertion loss: 0.5 dB
- Bandwidth: 10 MHz
- Input and output impedance: 75 ohm
- (Minimum) isolation voltage: 800V
- Isolation resistance: 100 MOhm
- ESD protection: 6kV contact discharge - 8kV air discharge
- Overvoltage protection: 4kV 10/700 μs
- Operating temperature: -20°C ≈ +50°C
- Case dimensions: W 55 x D 30 x H 22 mm
- Weight: 77 g

1092/732   **Video and data protection filter**
protection filter designed for coaxial 75Ohm video lines and RS-485 data lines with relevant power supply. It ensures protection of images and data against voltage peaks, induced and conduced overvoltage, and electrostatic discharges.
- Protection filter: Video – Data - Power supply
- Video insertion loss: 0.3 dB
- Response time: <0.5 ns
- Max isolation voltage: 4 kV
- Max discharge current: 10 kA
- Video bandwidth: 10 MHz
- Operating temperature: -60°C - +95°C
- Dimensions: W 90 x D 52 x H 40 mm
- Weight: 137 g

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THERA SERIES MINI SPEED DOME CAMERAS

MAIN FEATURES
> COST-EFFECTIVENESS
> HIGH PERFORMANCE
> REMOTE CONTROL FROM KEYPAD

Thera, Urmet's new range of Mini Dome cameras with horizontal and vertical axis movement, combines design, functionality and a discreet appearance. Extremely compact size makes these Dome cameras particularly

suitable for all applications where discretion, design and cost-effectiveness are key requirements.
The new product features and pricing make Thera the ideal solution for all installation contexts

• **Thera 6**: this model features a high operating speed and a 10X optical zoom that can be controlled via keypad. It is also suitable for outdoor installation (IP66 degree with Power Box) with mounting bracket and protection accessories. It is ideal for businesses and public sector offices.

MINI DOME CAMERAS

1092/603

F

5.5-55mm 700

24Vdc OSD

Thera- Outdoor Mini dome PTZ D&N camera with 10X zoom
• Sensor: 1/3" SONY Exview HAD CCD II
• Sensitivity: Colour 0.2Lux / B/W 0.02Lux
• Horizontal resolution: Colour 600 TVL / B/W 700 TVL
• OSD menu
• Lens: Zoom 10 X f.5.5mm~55mm F1.2
• Operating temperature: -20°C ÷ 60°C
• Protection class: IP66
• Power supply: 24Vdc/Vac ±10%; 50Hz – 10W
• Wall bracket included
• Power unit supplied

urmet

COMPARATIVE CHART	1092/603
TECHNICAL FEATURES	
Sensor	1/3" SONY Exview HAD CCD II
Lens	5.5mm~55mm F1.2
TVL Resolution	Colour 600 TVL / B/W 700 TVL
Sensitivity (lux)	Colour 0.2Lux / B/W 0.02Lux
Available addresses	256
Horizontal axis rotation range	360 degrees, continuous
Vertical axis rotation range	180 degrees, with autoflip
Rotation speed in manual mode	0.1~240°/S
Rotation speed in preset mode	0.1~300°/S
Digital zoom	NO
Auto flip	YES
Optical zoom	X10

FUNCTIONS	
OSD menu	YES
Number of Preset	128
"Repeat Last" function	YES
Vector Scan function (Sequences of functions and Preset that can be activated)	7
Pattern function (paths that can be stored)	6
Privacy Zones	NO
Alarms that can be managed	Through Alarm Board 1092/685
Remote alarm In-Out	8IN/1OUT
Supported protocol	Pelco D
Remote alarm In-Out	On Alarm Board 1092/685
Compatibility with additional alarm board Sch 1092/685)	YES

GENERAL DATA	
Video output	Composite output 1 Vpp, 75 Ohm
Power supply	24Vdc/Vac ±10%; 50Hz
Standard power unit supplied	YES
Compatible Power Box	1092/705 (with alarm board)
Consumption	10W
Operating temperature	-20-60°C
Dimensions (W x D) without bracket	200 x 170 mm
Weight	1.5Kg
IP protection class	IP66
Use	Indoor/outdoor

ACCESSORIES	
Power Box	YES
Keypad	All
Wall bracket	Supplied
Ceiling-mount bracket	YES
False-ceiling	NO
Ceiling	NO

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ACCESSORIES

1092/705

1092/693

1092/694

1092/621

EASY DOME IV - THERA SERIES COMMON ACCESSORIES

1092/705 📷 **Power Box for Easy Dome IV Thera 6-7**
Power Box is a unit with IP66 protection class, containing:
• 230Vac, 24Vac output power unit
• quick-coupling power cables for connection to Thera 6 and Thera 7
F
• alarm board with 8 In for preset positioning and management and 2 Out for alarm relays.
The board is connected via RS-485 to the camera module.

1092/706 **Easy Dome IV Corner Adapter**

1092/707 **Easy Dome IV Pole Adapter**

KEYPADS

1092/693 📷 **Easy Dome IV, Thera 6 and Thera 7 Control Keypad**
• 3-axis Joystick for PAN/TILT/ZOOM movements
• RS485 connection
F **H**
• Max 255 controlled devices
• Wide display for configuration and control
• Power supply: 12VDC

1092/694 📷 **Multi-function keypad**
• 3-axis Joystick for PAN/TILT/ZOOM movements
• 2 RS485 connections for DVR and Easy Dome/Thera devices
• OSD menu - English language
• Can control up to 32 DVR of the ranges EVOLUTION-SN, SYSTEM, SYSTEM-S, SYSTEM-SN,
F **H**
  HYBRID
• Can control up to 255 devices
• Power supply: 100 ~ 240Vac

1092/621 📷 **Thera series mini control keypad**
The keypad 1092/621 controls Thera Mini dome Camera functions such as swing motion
(Pan/Tilt/Zoom) and automatic functions (Preset and Tour).
• Swivel and function controls: Through 30 keys and Joystick
• Protocol: Pelco P- Pelco D
• Serial interface: RS-485
• Baud Rate: 2400Bps, 4800 Bps, 9600, 19200 Bps
• Max. no. of controlled devices: 255
• Power supply: 12Vdc – 1A with supplied power unit
E **F**
• Consumption: 230mA
• Dimensions: 90 (H) x 180 (W) x 165 (D) mm

COMPARATIVE CHART	1092/693	1092/694	1092/621
TECHNICAL FEATURES			
Number of axes	3	3	3
Joystick	YES	YES	YES
Communication interface	RS-485	RS-485	RS-485
OSD	YES	YES	YES
Display	LCD – 7segments – 16 cells	LCD – 7segments – 16 cells	2 lines – 16 digits
Protocols	Pelco D, Pelco P, proprietary	Pelco D, Pelco P, proprietary	Pelco D, Pelco P, proprietary
Baudrate	1200, 2400, 4800, 9600, 19200 bps	1200, 2400, 4800, 9600, 19200 bps	1200, 2400, 4800, 9600, 19200 bps
Max no. of controlled devices	Max 255	Max 255	Max 255
	Dome only	Dome and DVR	Dome only
GENERAL DATA			
Power supply:	12 Vdc – 1.5 A	12 Vdc – 2 A	12 Vdc – 1 A
MAX Consumption	5W	5W	430 mA
Dimensions (mm) (w x d x h)	318 x 180 x 118 mm	360 x 200 x 108 mm	180x165x90 mm
Operating temperature:	-10°C to 55°C	-10°C to 55°C	
Weight	1500 g	3300 g	800 g
ACCESSORIES			
Supply adaptor included	YES	YES	YES

STANDARD SOLUTIONS
EASY DOME IV

MAIN FEATURES

> HIGH ROTATION SPEED ON HORIZONTAL AND VERTICAL AXIS
> SONY CAMERA MODULES
> WALL OR CEILING BRACKETS
> POWER BOX

The products of Urmet's Easy Dome range are ideal for use in systems requiring great lens variation and special functions (such as privacy zone, which excludes certain areas from being shot by the camera). The range features include: cutting-edge technology, day&night modules, zoom lenses with autofocus, control keypad, variable speed, horizontal and vertical swivel (PAN and TILT). The items of the Easy Dome range are compatible with all video surveillance systems. With DVR or DVS, they can be managed remotely via SW.

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STANDARD SOLUTIONS
EASY DOME IV

1092/676

1092/700

1092/701

1092/703

1092/707

1092/677

EASY DOME IV

1092/676 * **Easy Dome IV Day&Night camera module; 550TVL, 36x optical zoom (40x with Stable zoom function), Progressive scan, Autotracking, image stabiliser, WDR**

H

3.4-122mm 550

24Vdc OSD
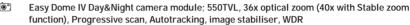
• Sensor: Sony Exview 1/4" HAD
• Sensitivity: 1.4 lux (F1.6, 1/50s 50 IRE)
• Horizontal resolution: 550 TVL
• OSD menu
• Optical Zoom: 36x (f=3.4~122mm); 40x with Stable zoom function
• Digital Zoom: 12x
• Protection class: IP66 with Power Box
• Power supply: 24Vdc/Vac ±10%; 50Hz

EASY DOME IV SERIES ACCESSORIES

1092/700 **Easy Dome IV kit for indoor wall installation (with wall-mount bracket 1092/703), ceiling installation (with Kit 1092/704) or outdoor installation (with bracket 1092/703 and Power Box 1092/705)**
The Kit can be used with any Easy Dome IV camera module and includes:
• Housing with thermostat and ventilation
H
• Dome
• Power unit: 24VAC/VDC ±10%; 50Hz

1092/701 **Easy Dome IV Kit for false-ceiling installation**
The Kit can be used with any Easy Dome IV camera module and includes:
• Housing for false-ceiling installation
H
• Dome
• Power unit: 24VAC/VDC ±10%; 50Hz

1092/703 **Easy Dome IV wall-mount bracket, compatible with Power Box**
H
Easy Dome IV camera wall-mount bracket. Can also be installed with Power Box 1092/705, corner adapters 1092/706 and pole adapters 1092/707.

1092/704 **Easy Dome IV ceiling-mount kit, compatible with Power Box**
H
Easy Dome IV camera ceiling-mount bracket. Can also be installed
with Power Box 1092/705.

EASY DOME IV

1092/677 **Easy Dome IV Day&Night 27x with IR**
• Sensor: Samsung + Sony II 1/4"
• Sensitivity: 0.2 Lux colour/ 0.02LuxB/W,F1.6 (50IRE)
• Horizontal resolution: 560 TVL colour /680 TVL B/W
F
• OSD menu
• Optical Zoom: 27x (f=3.5 - 94.5mm);
3.5-94.5mm 680
• Digital Zoom: 16x
• IR led 150m
24Vdc OSD
• Protection class: IP66
• Power supply: 24Vdc/Vac ±10%; 50Hz
• BRACKET INCLUDED

* Please contact our sales network to verify product availability

E Entry Level	**F** Full Level	**H** High Profile

STANDARD SOLUTIONS
EASY DOME IV

EASY DOME IV - THERA SERIES COMMON ACCESSORIES

1092/685   **Additional alarm board (8In/1Out) for indoor installation**
Remote board ready for RS-485 connection, allows use of 8 additional alarm inputs.
Controls programmable alarm actions and Preset function on Easy Dome IV and Thera 7.
Controls Preset function only, on Thera 6.
External 12V-600mA power unit required (e.g., Urmet 1092/801).
Indoor metal housing.

F

1092/685

1092/705   **Power Box for Easy Dome IV Thera 6-7**
Power Box is a unit with IP66 protection class, containing:
• 230Vac, 24Vac output power unit
• quick-coupling power cables for connection to Thera 6 and Thera 7
• alarm board with 8 In for preset positioning and management and 2 Out for alarm relays.
The board is connected via RS-485 to the camera module.

F

1092/705

1092/706   **Easy Dome IV Corner Adapter**

1092/707   **Easy Dome IV Pole Adapter**

EASY DOME IV

1092/678   **Easy Dome IV Day&Night 22x**
• Sensor: Effio-A + Sony Exview 1/3" HAD
• Sensitivity: 0.2 Lux colour/ 0.02LuxB/W,F1.6 (50IRE)
• Horizontal resolution: 650 TVL
• OSD menu
• Optical Zoom: 22x (f=4.7mm - 103.4mm);
• Digital Zoom: 12x
• Protection class: IP66
• Power supply: 24Vdc/Vac ±10%; 50Hz
• BRACKET INCLUDED

E

4.7-103.4mm   650   24Vdc   OSD

1092/678

EASY DOME IV - THERA SERIES COMMON ACCESSORIES

1092/685   **Additional alarm board (8In/1Out) for indoor installation**
Remote board ready for RS-485 connection, allows use of 8 additional alarm inputs.
Controls programmable alarm actions and Preset function on Easy Dome IV and Thera 7.
Controls Preset function only, on Thera 6.
External 12V-600mA power unit required (e.g., Urmet 1092/801).
Indoor metal housing.

F

1092/705   **Power Box for Easy Dome IV Thera 6-7**
Power Box is a unit with IP66 protection class, containing:
• 230Vac, 24Vac output power unit
• quick-coupling power cables for connection to Thera 6 and Thera 7
• alarm board with 8 In for preset positioning and management and 2 Out for alarm relays.
The board is connected via RS-485 to the camera module.

F

1092/706   **Easy Dome IV Corner Adapter**

1092/707   **Easy Dome IV Pole Adapter**

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STANDARD SOLUTIONS
EASY DOME IV

COMPARATIVE CHART	1092/676 (with 1092/700)	1092/677	1092/678
TECHNICAL FEATURES			
Camera module	Sony Exview 1/4" HAD	Samsung + Sony II 1/4"	Effio-A + Sony Exview 1/3" HAD
Progressive scan	960H 1024(H)x582(V) pixel	NO	NO
Sensitive elements (px)	Approx. 440,000 pixels	Approx. 440,000 pixels	Approx. 440,000 pixels
Sensitivity (lux)	1.4 lux (F1.6, 1/50s 50 IRE)	0.2 Lux colour/ 0.02LuxB/W,F1.6 (50IRE)	0.2 Lux colour/ 0.02LuxB/W,F1.6 (50IRE)
TVL Horizontal resolution	550TVL	560 TVL colour /680 TVL B/W	650TVL
Signal/noise ratio (dB)	>50dB	>50dB	>50dB
Synchronization	Internal	Internal	Internal
Day/Night	YES	YES	YES
IR LED/range	NO	YES 150m	NO
Optical Zoom	36x (f=3.4~122mm)	27x (f=3.5 - 94.5mm)	22x (f=4.7mm - 103.4mm)
Digital Zoom	12x	16X	12X
Horizontal axis travel	360° (continuous)	360° (continuous)	360° (continuous)
Movement speed (hor) manual/°sec.	0.5°-300°/s var.	0.1°-180°/s var.	0.1~240°/S
Movement speed (vert.) manual/°sec.	0.5°-120°/s var.	0.1°-120°/s var.	0.1~100°/S
Movement speed (hor.) in Preset/°sec.	400°/s	240°/s	300°/s
Proportional movement speed	Can be enabled	Automatic	Automatic
Auto flip	YES	YES	YES
FUNCTIONS			
Dynamic Privacy zones	8	8	NO
Overlay image on privacy zones	YES	NO	NO
OSD menu	YES	YES	YES
Smart back light compensation (WDR)	YES	NO	NO
Electronic stabiliser	YES	YES	YES
Timer for managing time ranges	YES	NO	NO
Number of Preset	256	256	256
Number of programmable Preset	219	128	128
Number of areas that can be user-defined	8	8	8
Vector Scan function (Sequences of functions and Preset that can be activated)	6 Vector Scan x 16 functions	7	7
Pattern function (paths that can be stored)	3 (up to 120 seconds each)	7	6
Autotracking function (automatic tracking of a target)	YES	NO	NO

	1092/676 (with 1092/700)	1092/677	1092/678
FUNCTIONS			
Auto Scan function (360° horizontal movement)	YES	YES	YES
Random Scan function (random horiz. movement through 360°)	YES	NO	NO
Frame Scan function (programmed horizontal movement between two points)	YES	YES	YES
Preset titles	YES	YES	YES
Supported protocol	RS-485; PELCO D	RS-485; PELCO D	RS-485; PELCO D
Alarm In-Out	8In/1Out (included in Power Box)	8In/1Out (included in Power Box)	8In/1Out (included in Power Box)
Remote alarm In-Out	8In/1Out	8In/1Out	8In/1Out
Alarm actions	"Vector Scan-Pattern-Auto Scan-RandomScan-Frame Scan-Preset"	Vector Scan-Pattern-Preset	Vector Scan-Pattern-Preset
Compatibility with additional alarm board Sch 1092/685)	YES	YES	YES
Functions supported with additional alarm board	YES 8 Presets for alarms	YES 8 Presets for alarms	YES 8 Presets for alarms

GENERAL DATA			
Video output	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm
Power supply	24Vdc/Vac ±10%; 50Hz	24Vdc/Vac ±10%; 50Hz	24Vdc/Vac ±10%; 50Hz
Standard power unit supplied	YES	YES	YES
Compatible Power Box	1092/705 (with alarm board)	1092/705 (with alarm board)	1092/705 (with alarm board)
Consumption	20W	15W	12W
Operating temperature	-10-50°c"	-30-60°C	-30-60°C
Dimensions (W x D)	180 x 282 mm	310 x 220 mm	300 x 200 mm
Weight	3.5 kg	5 kg	3 kg
IP protection class	IP66	IP66	IP66
Use	Indoor/outdoor	Indoor/outdoor	Indoor/outdoor

ACCESSORIES			
Power Box	1092/705	1092/705	1092/705
Keypad	All	All	All
Wall bracket	1092/703	NO	NO
Ceiling-mount bracket	1092/704	NO	NO
False-ceiling	1092/701	NO	NO
Corner/pole adapters	1092/706 - 1092/707	1092/706 - 1092/707	1092/706 - 1092/707

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STANDARD SOLUTIONS MONITORS

MAIN FEATURES
> WRIST MONITOR: USEFUL TOOL DURING INSTALLATIONS
> LCD AND LCD LARGE SIZE: A RANGE OF SOLUTIONS FOR DIFFERENT VISUALISATION REQUIREMENTS
> AUDIO INPUTS (DEPENDING ON THE MODELS)
> HDMI INPUT (DEPENDING ON THE MODELS)

E

Entry Level

Professional and convenient products that are easy to install and use.

F

Full Level

A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.

H

High Profile

Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

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SEGMENTS/PRODUCTS

		Page No.	ENTRY LEVEL	FULL LEVEL	HIGH PROFILE
	WRIST LCD	200		1092/400	
	LCD	200		1092/401B 1092/407 1092/419B	
	LCD	201			1092/421 1092/427

SYMBOL KEY

E	Entry Level
F	Full Level
H	High Profile

SYMBOL KEY

Inches
full HD Full HD

STANDARD SOLUTIONS MONITORS

1092/400

1092/401B

1092/407

1092/419B

MONITOR

1092/400

E **F**

2.5" LCD wrist monitor
• Video inputs: 1 female Mini Jack (with BNC adapters)
• Power input w/male Mini Jack (for power supply and battery charging)
• Resolution: 480 x 234
• Weight: 90 g
• Adjustments: brightness and colour
• Power adapter: Input 100~240 Vac - Output 5V/1A
• Dimensions: 85(L) x 64(H) x 21(D) mm

1092/401B

E

9.7" (4:3) TFT LCD Monitor
• LCD display: 10.1" TFT
• Resolution: 1024 x 768
• Supported resolution: up to 1280 x 1024
• Video input: 1 BNC composite video signal 1.0Vpp 75 Ohm
• Audio input: 1 RCA
• Contrast ratio: 1000 : 1
• Brightness: 600 cd/sq m
• Dimensions: 245 (W) x 165 (H) x 35 (D) mm (without bracket)
• Weight: 0.618 kg

1092/407 *

E

17" TFT LCD VGA Monitor
• LCD display: 17" TFT
• Resolution: 1280 x 1024
• Audio input: 2 loudspeakers - 2.5 W
• Contrast: 500 : 1
• Brightness: 400 cd/sq m
• Dimensions: 380 (W) x 382 (H) x 190 (D) mm
• Weight: 5.8 kg

1092/419B

E

19.5" FULL HD (16:9) LED Monitor
• LCD display: 19.5" LED (16:9)
• Resolution: 1920 x 1080
• VGA video input
• HDMI video input
• Contrast: 1000 : 1
• Brightness: 250 cd/sq m
• Dimensions: 468 (W) x 293 (H) x 25 (D) mm
• Weight: 4.9 kg

* Please contact our sales network to verify product availability

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MONITOR

1092/421   📷   **21″ FULL HD (16:9) LED LCD Monitor**
- LCD display: 21″ TFT (16:9)
- Resolution: 1920 x 1080
- Video input: 2 BNC comp video signal 1.0Vpp 75Ω
- VGA video input
- HDMI video input
- Loop-through composite video output: 2 BNC
- Audio input: 2 loudspeakers - 2.5 W
- Contrast: 700 : 1
- Brightness: 300 cd/sq m
- Dimensions: 340 x 540 x 136 mm
- Weight: 4.9 kg

F   **H**   21″   **full HD**

1092/421

1092/427   📷   **27″ FULL HD (16:9) LED LCD Monitor**
- LCD display: 27″ TFT (16:9)
- Resolution: 1920 x 1080
- Video input: 2 BNC comp video signal 1.0Vpp 75Ω
- VGA video input
- HDMI video input
- Loop-through composite video output: 2 BNC
- Audio input: 2 loudspeakers - 2.5 W
- Contrast: 700 : 1
- Brightness: 300 cd/sq m
- Dimensions: 382 x 540 x 136 mm
- Weight: 5.9 kg

F   **H**   27″   **full HD**

1092/427

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COMPARATIVE CHART	1092/400	1092/401B	1092/419B
TECHNICAL FEATURES			
LCD display	2.5" TFT	10.1" TFT (4:3)	19.5" TFT (16:9)
Response time	8 ms	4 ms	5 ms
Resolution in Pixels	480 x 234	1024 x 768	1920 x 1080
Pixel dimension	0.264 x 0.264	0.264 x 0.264	0.264 x 0.264
Colour display	16.7 million	16.7 million	16.7 million
Contrast ratio	150 : 1	1000 : 1	1000 : 1
Brightness	250 cd/m2	600 cd/m2	250 cd/m2
View angle	-10°÷+30° horizontal -45°÷+45° vertical	90° horizontal 90° vertical	170° horizontal 160° vertical
Video standard	PAL	PAL /NTSC	PAL /NTSC
Horizontal frequency	16,625Hz	31 ÷ 65KHz	31 ÷ 65KHz
Refresh speed - vert.	50Hz	56 ÷ 75 Hz	56 ÷ 75 Hz
Audio input	NO	Jack	Jack
Audio output	NO	Jack	NO
Composite video input	1 comp video signal 1.0Vpp 75Ω Mini Jack	1 comp video signal 1.0Vpp 75Ω Mini Jack	NO
Composite loop-through video output	NO	NO	NO
VGA input	NO	YES	YES
HDMI Input	NO	YES	YES
Front/side controls	On/Off – Bright. – Col	On/Off - OSD Menu - Selection keys	On/Off - OSD Menu - Selection keys

GENERAL DATA			
Power supply	5V – 1A	12V – 1A	12V – 3A
Supply adaptor	100÷240V~0.15A, 50/60Hz	100÷240 V ~ 1A, 50/60Hz	100÷240 V ~ 4A, 50/60Hz
Operating temperature range	-10°C to +45°C	0°C to +40°C	0°C to +40°C
Storage temperature	-30°C to +60°C	-25°C to +60°C	-25°C to +60°C
Dimensions (mm)	85 x 64 x 21 mm	165 x 245 x 35 mm	468 x 293 x 25 mm
Weight	90 g	0.618 kg	2.5 kg

ACCESSORIES			
Wall mount bracket	NO	NO	NO
Remote control	NO	NO	NO

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	1092/407	1092/421	1092/427
	17" TFT (4:3)	21.5" TFT (16:9)	27" TFT (16:9)
	8 ms	3 ms	3 ms
	1280 x 1024	1920 x 1080	1920 x 1080
	0.264 x 0.264	0.264 x 0.264	0.264 x 0.264
	16.7 million	16.7 million	16.7 million
	500 : 1	700:1	300 : 1
	400 cd/m2	300 cd/m2	
	-70°÷+70°(140°) horizontal -60°÷+60°(120°) vertical	170° horizontal 160° vertical	170° horizontal 160° vertical
	PAL /NTSC	PAL /NTSC	PAL /NTSC
	31 ÷ 65KHz	31 ÷ 65KHz	31 ÷ 65KHz
	56 ÷ 75 Hz	56 ÷ 75 Hz	56 ÷ 75 Hz
	RCA	Jack	Jack
	2 loudspeakers - 2.5W	2 loudspeakers - 2.5W	2 loudspeakers - 2.5W
	NO	2 composite video signals - 1.0Vpp 75W BNC	2 composite video signals - 1.0Vpp 75W BNC
	NO	YES, 2 BNC	YES, 2 BNC
	YES	YES	YES
	NO	YES	YES
	On/Off - OSD Menu - Selection keys	On/Off - OSD Menu - Selection keys	On/Off - OSD Menu - Selection keys

	1092/407	1092/421	1092/427
	12V – 4A	12V - 4A	12V - 4A
	100÷240 V ~ 4A, 50/60Hz	100÷240 V ~ 4.1A, 50/60Hz	100÷240 V ~ 4.1A, 50/60Hz
	0°C to +40°C	0°C to +40°C	0°C to +40°C
	-25°C to +60°C	-25°C to +60°C	-25°C to +60°C
	380 x 380 x 190 mm	340 x 540 x 136 mm	382 x 540 x 136 mm
	5.8 kg	4.9 kg	5.9 kg

	1092/407	1092/421	1092/427
	NO	NO	NO
	YES	YES	YES

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FULL HD OVER COAXIAL CABLE.
THE EVOLUTION OF THE SPECIES

Premium security solutions for building and personal protection with a technology easy to install and to use.

IT is a widely known fact that video applications have become crucially important for traffic management, the healthcare industry, industrial process control and video surveillance.
In particular, the latter has become a strategic node for the main active security applications.
Therefore, the definition of the video image is important both in terms of perceived quality and in terms of global system performance.
So far, high definition has been associated with IP cameras, which are not always suitable for all applications due to intrinsic costs (product / network architecture) and, above all, because specific skills are required for their installation, configuration and use.
Today, HD-SDI technology allows you to transmit and record FULL-HD quality (1080p) images even based on an analogue infrastructure. No specialist knowledge of telematic networks required, unmatched system performance, zero latency, quick and easy installation, low access costs and top video quality.
These, in summary, are the **main advantages** of the new **HD-SDI** solutions.

WHY CHOOSE AN HD-SDI SOLUTION

> **High resolution**
• Full HD uncompressed 25 fps video resolution
• No image degradation

> **Simple installation**
• Transmission over coaxial cable
• IP Configuration not required

> **Zero latency**

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THE ADVANTAGES

The HD-SDI standard, commonly used for the transmission of high-definition images by television networks, combines the shooting and recording quality of the Full HD standard with the reliability of coaxial cable wiring.

High definition in video surveillance and video recording

Urmet HD-SDI cameras produce Full HD (1920x1080p) images in real time (25 fps).
DVR units can record Full-HD images on all channels (in real time
for all the video channels for some models)

No quality degradation and zero latency

With the HD-SDI technology the video signal is not compressed by any codec. The image is not deteriorated or compromised featuring very high definition for the smallest details at a transmission speed with zero latency.

Use of analogue infrastructure with a coaxial cable

HD-SDI devices are installed and used in a similar way to conventional devices not requiring, therefore, any specialist knowledge on the part of the installer. The coaxial cable is used for transmission of video signals. It must necessarily have good quality characteristics and transmission distances depend on the characteristics of the infrastructure. The use of signal repeaters further extends the capability of HD-SDI technology, allowing you to double or triple transmission distances.

Configuration: no problem with the configuration over IP

The HD-SDI technology allows you to overcome difficulties related to system network configuration. The installation is easier, faster and the perceived quality is immediate, without the need for several calibrations for the necessary setting up.

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HD-SDI SOLUTIONS
CAMERA UNITS

MAIN FEATURES
> INDOOR AND OUTDOOR SOLUTIONS
> ADVANCED FUNCTIONS
  (PRIVACY ZONE AND MOTION DETECTION)
> ABSOLUTE IMAGE QUALITY
> EASE OF USE (OSD MENU)
> SMART IR

A complete range with high definition, no quality degradation and zero latency, featuring the following types of devices:
• Box cameras
• Compact cameras
• Mini dome cameras

E
Entry Level

Professional and convenient products that are easy to install and use.

F
Full Level

A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.

H
High Profile

Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

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Full HD 1080p video over coaxial cable: a technological and operational revolution. Urmet's HD-SDI new range offers absolute image quality and unprecedented standards of reliability.

The product range is suitable for any type of application and includes indoor and outdoor camera units, accessories and DVR. If you ask for the best, Urmet is the answer.

SYMBOL KEY

E	Entry Level
F	Full Level
H	High Profile
	TVL Resolution
	Power supply
	Lens
	OSD

SEGMENTS/PRODUCTS

		No. Page	ENTRY LEVEL	FULL LEVEL	HIGH PROFILEL
	BOX CAMERA	211			1093/300
	COMPACT CAMERAS	212			1093/302A 1093/308
	VARIFOCAL LENS MINI DOME CAMERAS AND BALL CAMERAS	213/216			1093/311 1093/600

ACCESSORIES

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HD-SDI SOLUTIONS
CAMERA UNITS

MAIN FEATURES

> 1/3" 2.1 MEGAPIXEL CMOS SENSOR
> PROGRESSIVE SCAN
> VIDEO OUTPUT 1 IN HD-SDI 1080P
   1 IN COMPOSITE VIDEO VP-P
> SIGNAL/NOISE RATIO › 50 dB
> RESOLUTION 1080P@25HZ FULL HD
> SMART IR CONTROL
> IR CUT FILTER

Full HD 1080p video over coaxial cable: a technological and operational revolution. Urmet's HD-SDI new range offers absolute image quality and unprecedented standards of reliability. The product range is suitable for any type of application and includes indoor and outdoor camera units, accessories and DVR. If you ask for the best, Urmet is the answer.

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BOX CAMERA

1093/300 📷   **Full HD-SDI Day&Night camera, and OSD menu**
- Sensor: 1/2,7" 2.1 Megapixel CMOS
- Minimum sensitivity: 1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
- Horizontal resolution: 1080P (1092 x 1080) FULL HD @ 25Hz
- Video output HD-SDI 1080p
- Composite video output 1 Vpp, 75 Ohm (service)
- OSD menu
- Back Light Compensation: OFF/ON/AUTO
- 2DNR (Dynamic Noise Reduction)
- WDR (real Wide Dynamic Range)
- 8 Privacy Zones
- DSS (Digital Slow Shutter)
- IR SMART function
- Lens shading
- Motion Detector
- Power supply: 12Vdc
- Consumption: 170mA
- Dimensions: 117 x 71 x 60mm
- Recommended power unit: 1092/801

1093/300

HD-SDI SOLUTIONS
CAMERA UNITS

COMPACT CAMERAS

1093/302A

1093/302A* 📷 **1/3" 5-50mm compact Full HD-SDI Day&Night camera with IR LED, IR Cut Filter and Multi-language OSD menu**
- Sensor: 1/3" 2.1 Megapixel CMOS
- Sensitivity: 1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
- Lens: 5-50mm
- Horizontal resolution: 1080P (1092 x 1080) FULL HD @ 25Hz
- Video output HD-SDI 1080p
- Composite video output 1 Vpp, 75 Ohm (service)
- Multi-language OSD menu
- Number of LED units: 42 very high efficiency units
- IR LED range: 44 m
- Back Light Compensation: OFF/ON/AUTO
- DWDR (Digital Wide Dynamic Range)
- 32 programmable Privacy Zones
- DSS (Digital Slow Shutter)
- IR SMART function
- Lens shading
- Motion Detector
- Protection class: IP66
- Power supply: 12Vdc
- Consumption: 510mA
- Dimensions (x L): 114x348 mm
- Bracket included
- Recommended power unit: 1092/801

H

| 1080P | 5-50mm |
| OSD | 12VDC |

1093/308

1093/308 📷 **1/3" compact Full HD-SDI Day&Night camera with 2.8-12mm lens, IR LED, IR Cut Filter and OSD menu**
- Sensor: 1/2,7" 2.1 Megapixel CMOS
- Sensitivity: 1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
- Lens: 2.8-12mm
- Horizontal resolution: 1080P (1092 x 1080) FULL HD
- Video output HD-SDI 1080p
- Composite video output 1 Vpp, 75 Ohm (service)
- OSD menu
- Number of LED units: 36
- IR LED range: 27 m
- Back Light Compensation: OFF/ON/AUTO
- DWDR (Digital Wide Dynamic Range)
- Defog function
- DSS (Digital Slow Shutter)
- IR SMART function
- SMART ZOOM
- Motion Detector
- Protection class: IP66
- Power supply: 12Vdc
- Consumption: 350mA
- Dimensions (x L): 62x150 mm
- Bracket included
- Recommended power unit: 1092/801

H

| 1080P | 2.8-12mm |
| OSD | 12VDC |

* Please contact our sales network to verify product availability

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MINI DOME CAMERAS

1093/311   **1/3" day&night VANDAL RESISTANT mini dome camera with 2.8-12mm lens and IR LED, IR Cut Filter and OSD menu**
- Sensor: 1/2,7" 2.1 Megapixel CMOS
- Sensitivity: 1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
- Lens: 2.8-12mm
- Horizontal resolution: 1080P (1092 x 1080) FULL HD
- Video output HD-SDI 1080p
- Composite video output 1 Vpp, 75 Ohm (service)
- OSD menu
- Number of LED units: 30
- IR LED range: 25 m
- Back Light Compensation: OFF/ON/AUTO
- DWDR (Digital Wide Dynamic Range)
- Defog function
- DSS (Digital Slow Shutter)
- IR SMART function
- SMART ZOOM
- Motion Detector
- Protection class: IP66
- Power supply: 12Vdc
- Consumption: 300mA
- Dimensions (x L): 152x102 mm
- Recommended power unit: 1092/801

H

1080P   2.8-12mm

OSD   12VDC

1093/311

ACCESSORIES

1092/147   Bracket for vandal resistant Dome camera 1092/271, 1093/311 and 1093/173M2

1092/147

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HD-SDI SOLUTIONS
CAMERA UNITS

COMPARATIVE CHART	1093/300	1093/302A
TECHNICAL FEATURES		
Sensor type:	1/2.7" 2.1 Megapixel CMOS	1/3" 2.1 Megapixel CMOS
Sensitive elements:	1944(H) X 1092(V)	1944(H) X 1092(V)
Sensitivity:	1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)	1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
Resolution:	1080P (1092 x 1080) FULL HD @ 25Hz	1080P (1092 x 1080) FULL HD @ 25Hz
Lens:	-	Varifocal f5-50mm
S/N ratio:	> 50dB	> 50dB
Synchronisation:	Internal	Internal
Number of LEDs:	-	42 (very high efficiency)
IR LED range/opening angle:	-	44m / 10/45°
Shutter control	AUTO - 1/25 ÷ 1/50,000 sec – FLK - X2 ÷ X60	AUTO - 1/25 ÷ 1/50,000 sec – FLK - X2 ÷ X60

FUNCTIONS		
White balancing (AWB):	Adjustable	Adjustable
Back Light Compensation (BLC)	Adjustable	Adjustable
Gain control (AGC)	Adjustable	Adjustable
IR CUT filter:	NO	YES
DNR:	YES	YES
DSS	YES	YES
OSD menu	YES	YES (Multi-language)
Other functions	IR SMART - LSC - DWDR - SENS-UP	IR SMART - LSC - DWDR - SENS-UP

GENERAL DATA		
Video output:	Video output HD-SDI 1080p composite output 1 Vpp, 75 Ohm (service)	Video output HD-SDI 1080p composite output 1 Vpp, 75 Ohm (service)
Power supply:	12 VDC	12 VDC
Consumption	170 mA	510 mA
Operating temperature:	-10-50°C	0-50°C
Storage temperature	-30-60°C	-30-60°C
Dimensions (Ø x L)	117 x 71 x 60 mm	114 x 348 mm
Weight:	425 g	1600 g
IP protection class:	-	IP66
Fairlead bracket		YES
Use:	Indoor/outdoor with housing	Indoor/outdoor

ACCESSORIES		
Power unit	1092/801	1092/801
Illuminators - brackets and housings	see accessories	

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1093/308	1093/311
1/2.7" 2.1 Megapixel CMOS	1/2.7" 2.1 Megapixel CMOS
2010(H) X 1108(V) = 2.2Megapixel	2010(H) X 1108(V) = 2.2Megapixel
1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)	1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
1080P (1092 x 1080) FULL HD	1080P (1092 x 1080) FULL HD
Varifocal f2.8-12mm	Varifocal f2.8-12mm
> 50 dB	> 50 dB
Internal	Internal
36	30
27m / 60°	25m / 60°
AUTO - 1/25 ÷ 1/50,000 sec	AUTO - 1/25 ÷ 1/50,000 sec

Adjustable	Adjustable
Adjustable	Adjustable
Adjustable	Adjustable
YES	YES
YES	YES
YES	YES
YES	YES
IR SMART - SMART ZOOM - DWDR - SENS-UP - DEFOG	IR SMART - SMART ZOOM - DWDR - SENS-UP - DEFOG

Video output HD-SDI 1080p composite output 1 Vpp, 75 Ohm (service)	Video output HD-SDI 1080p composite output 1 Vpp, 75 Ohm (service)
12 VDC	12 VDC
350 mA	300 mA
-10-50°C	-10-50°C
-30-60°C	-30-60°C
62 x 150 mm	152 x 102 mm
680g	700 g
IP66	IP66
YES	YES
Indoor/outdoor	Indoor/outdoor

1092/801	1092/801

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HD-SDI SOLUTIONS
CAMERA UNITS

1093/600

EASYDOME HD-SDI

1093/600	📷	**Easy Dome HD-SDI Day&Night 20x with IR**

• Sensor: Sony Exview1:2.8" Exmor CMOS
• Sensitivity: 0.1 lux (F1.35, 1/50s 50IRE)
• Maximum horizontal resolution: 2.1 Megapixel
• OSD menu
• Optical Zoom: 20X, f=4.7mm – 94.0mm (F1.6 – F3.5)
• Digital Zoom: 10x
• IR illumination: LED Array, with varifocal lens and pre-focus lens
• Automatic switch-on of the IR LEDs programmable via OSD menu
• Maximum IR range: 150m
• HD-SDI video output
• Protection class: IP66
• Power supply: 12Vdc/5A; 50/60Hz (power unit supplied)

H | 2.1MP
OSD | 12VDC

COMPARATIVE CHART	1093/600
TECHNICAL FEATURES	
Camera module	Sony Exview 1:2.8" type Exmor CMOS
Progressive scan	NO
Sensitive elements (px)	Approx. 440,000 pixels
Sensitivity (lux)	0.1 Lux colour/ 0.05LuxB/W,F1.6 (50IRE)
TVL Horizontal resolution	720P/25fps - 720P/50fps - 1080I/50fps - 1080P/25fps
Signal/noise ratio (dB)	> 50dB
Synchronization	Internal
Day/Night	YES
IR LED	YES
Optical Zoom	20X, f = 4.7mm to 94.0mm
Horizontal axis travel	360° (continuous)
Movement speed (hor) manual/°sec.	0.1°-180°/s var.
Movement speed (vert.) manual/°sec.	0.1°-180°/s var.
Movement speed (hor) in Preset/°sec.	240°/s
Proportional movement speed	Automatic
Auto flip	YES

FUNCTIONS	
Dynamic Privacy zones	8
Overlay image on privacy zones	NO
OSD menu	YES
Smart back light compensation (WDR)	NO
Electronic stabiliser	YES
Timer for managing time ranges	NO

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Number of Preset	256
Number of programmable Preset	128
Number of areas that can be user-defined	8
Vector Scan function (Sequences of functions and Preset that can be activated)"	6
Pattern function (paths that can be stored)	7
Autotracking function (automatic tracking of a target)	NO
Auto Scan function (360° horizontal movement)	YES
Preset titles	YES
Supported protocol	RS-485; PELCO D
Alarm In-Out	8In/1Out (included in Power Box)
Remote alarm In-Out	8In/1Out
Alarm actions	Vector Scan-Pattern-Preset
Compatibility with additional alarm board Sch 1092/685)	YES

GENERAL DATA	
Video output	HD-SDI
Power supply	12 or 24Vdc/Vac ±10%; 50Hz
Standard power unit supplied	YES
Compatible Power Box	NO
Consumption	20W
Operating temperature	-30-60°C
Dimensions (W x D)	310 x 220 mm
Weight	5 kg
IP protection class	IP66
Use	Indoor/outdoor

ACCESSORIES	
Power Box	1092/705
Keypad	All
Wall bracket	NO
Ceiling-mount bracket	NO
False-ceiling	NO
Corner/pole adapters	1092/706 - 1092/707

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HD-SDI SOLUTIONS
PROGRESS 2.0 SERIES DVR

MAIN FEATURES
> PROFESSIONAL INTEGRATED SOLUTIONS
> MANAGEMENT AND MONITORING SOFTWARE
> CENTRALISED VIDEO MONITORING SYSTEM AND
  NETWORK RECORDING

A comprehensive range, suitable for all applications:
• Innovative devices using a single supervision client SW.
• Data management in mixed, analogue or digital mode, with the Hybrid series.

• Remote management control.
• Compatible with the operating systems of the most popular smartphones on the market.

E

Entry Level

Professional and convenient products that are easy to install and use.

F

Full Level

A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.

H

High Profile

Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

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FULL HD | HD-SDI

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The product range is suitable for any type of application and includes indoor and outdoor camera units, accessories and DVR. If you ask for the best, Urmet is the answer.

SYMBOL KEY

E	Entry Level
F	Full Level
H	High Profile

SEGMENTS/PRODUCTS

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4-CH SDI DVR	221		1093/504A
8-CH SDI DVR	221		1093/508A
16-CH SDI DVR	221		1093/516A

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VIDEO MANAGEMENT
HD-SDI PROGRESS 2.0 DVR

HD-SDI technology allows you to transmit and record FULL-HD quality (1080p) images even based on analogue infrastructure. No specific skills required in telematic networks are required to obtain unmatched system performance, zero latency, quick and easy installation, low access costs and top video quality. DVR units can record Full-HD images on all channels (in real time for all video channels for some models). Urmet is the answer.

> VIDEO COMPRESSION ALGORITHM H.264 WITH 1080P RESOLUTIONS
> URMET DDNS ACCOUNT CONFIGURATION THROUGH ID
> P2P CONFIGURATION
> MAX NO.2 SATA HDD

> 1 HDD INCLUDED
> ALARM WARNING VIA E-MAIL
> SELF-MAINTENANCE MODE
> POSSIBILITY OF DATA ENCRYPTION ON THE WEB
> CLIENT SOFTWARE INCLUDED IN SUPPLY

COMMON FEATURES

> FULL SCREEN AND MULTI-SCREEN VIEW
> SELECTABLE RECORDING SPEED
> RECORDING MODES: CONTINUOUS, MOTION DETECTION, PROGRAMMED OR ALARMED
> MOTION DETECTOR
> MULTIPLE OR SINGLE RECORDING WITH PROGRAMMABLE DURATION
> RECORDING RESOLUTION WD1
> BNC/VGA/ HDMI VIDEO OUTPUT
> POSSIBILITY OF REMOTE CONNECTION VIA SW, WEB BROWSER, MOBILE PHONE/PD WITH ANDROID, IPHONE.
> REMOTE RECORDING BACK-UP VIA TCP/IP
> RS-485 COMMUNICATION PORT
> RJ45 10/100M NETWORK INTERFACE
> ALARM MANAGEMENT

> WATERMARK
> LINUX OPERATING SYSTEM
> USB2.0 PORTS FOR CONNECTING A MOUSE OR FOR BACKUP AND UPGRADE PURPOSES.
> LOADING AND SAVING DVR SETUP BY MEANS OF USB PENDRIVE
> FRONT CONTROL PANEL
> REMOTE CONTROL FOR CONTROL AND MANAGEMENT
> SUPPORTS ZOOM IN/OUT FUNCTION AND CYCLED FUNCTION
> TRANSMISSION OF MAIN STREAM AND SUB STREAM ON THE NETWORK
> PTZ CONTROLS VIA RS-485
> MULTI-LANGUAGE MENU (OSD)
> P2P
> URMET DDNS
> UVS SW INCLUDED

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DVR

1093/504A

Full HD Real time 4-channel DVR of the HD-SDI series
• 4 BNC input channels
• 4 inputs / 1 audio output (RCA)
• 1 VGA output/ 1 HDMI output
• Recording resolution: 1080P (1920x1080)
• Recording speed: 100fps@1080P
• 4 inputs / 1 alarm output
• Synchronised playing of 4ch
• 2TB HD included
• Dimensions: 380 (W) x 53 (H) x 340 (D) mm
• Power supply: 12Vdc -5A (power unit supplied)

H

1093/504A

1093/508A

Full HD Real time 8-channel DVR of the HD-SDI series
• 8 BNC input channels
• 8 inputs / 1 audio output (RCA)
• 1 VGA output/ 1 HDMI output
• Recording resolution: 1080P (1920x1080)
• Recording speed: 200fps@1080P
• 8 inputs / 1 alarm output
• Synchronised playing of 8ch
• 2TB HD included
• Dimensions: 380 (W) x 53 (H) x 340 (D) mm
• Power supply: 12Vdc -5A (power unit supplied)

H

1093/508A

1093/516A

Full HD Real time 16-channel DVR of the HD-SDI series
• 16 BNC input channels
• 8 inputs / 1 audio output (RCA)
• 1 VGA output/ 1 HDMI output
• Recording resolution: 1080P (1920x1080)
• Recording speed: 240fps@1080P/400fps@720P
• 8 inputs / 1 alarm output
• Synchronised playing of 16ch
• 2TB HD included
• Dimensions: 380 (W) x 53 (H) x 340 (D) mm
• Power supply: 12Vdc -5A (power unit supplied)

H

1093/516A

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VIDEO MANAGEMENT
HD-SDI PROGRESS 2.0 DVR

FUNCTION	1093/504A	1093/508A	1093/516A
Compression formats	Video: H.264 / Audio: 8kHz*16bit ADPCM		
Video inputs/outputs	4-CH with BNC input / 1CH for VGA output 1CH for HDMI output	8-CH with BNC input / 1 CH for VGA output 1CH for HDMI output	16-CH with BNC input / 1 CH for VGA output 1CH for HDMI output
Audio I/O	"4-CH for RCA input / 1-CH for RCA output"	8-CH RCA input/ 1-CH RCA output	
Screen resolution/Frame rate	1080P: 1920×1080@25fps per channel		
Recording resolution	Mode 1080P (1920x1080)		
Recording frame rate	100fps@1080P	200fps@1080P	240fps@1080P/400fps@720P
Recording mode	Always/Timed/Manual/Motion detection/Sensors/ External alarms		
Sub Stream	CIF@ No Real-Time		
Hard Disk Interface	Max. 2 SATA HDD		
Video backup memory	2000 GB Hard Disk (default)* USB unit		
Playing mode	PLAY /SLOW /FWD/Frame by Frame		
Synchronised playing	4 ch.	8 ch.	16 ch.
Watermark	YES		
Data encryption on Web	YES		
Web / Client Multi-language Software	Supports Internet Explorer Version 11.0 for Windows 7/8 and Safari Version 6.0 or higher for MAC 10.8.0 or higher, Urmet UVS client is supported		
Alarm I/O	"4-CH alarm inputs, 1CH alarm output"	8-CH alarm inputs, 1-CH alarm output	
Types of alarm	Motion / External alarms/Input alarms/video signal missing/ hard disk space/hard disk error		
Maximum number of PCs that can be connected at the same time	3		
Software for PDA and/or mobile phones	iOS, Android		
PTZ control	Via RS485 using PELCO-D and PELCO-P protocols		
USB 2.0 Port	Supports mouse		
Ethernet	Self-adaptive interface RJ-45 10M/100MB		
Network protocols	TCP/IP, DHCP, UDP, Urmet DDNS with ID, P2P, PPPOE		
Absorption	15W		
Power supply	12V/5A		
Operating temperature range	5°C – 40°C		
Dimensions (width x height x depth)	380x50x340 mm		
Weight	~4 kg		

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HD-SDI SOLUTIONS
CONVERTER/REPEATER

FULL HD | HD-SDI

1093/800
Converter / repeater

MAIN FEATURES

> HD-SDI-HDM CONVERTER
  AND SIGNAL REPEATER

SIGNAL REPETITION FOR DISTANCE INCREASE

1093/300   max 250m   1093/800 Repeater   max 250m   1093/516A   1092/421

BNC-HDMI CONVERSION

1093/300   max 250m HD-SDI transmission   1093/800 converter   Input HDMI   1092/421

CERTIFIED REACHABLE DISTANCES

The choice of the transmission cable plays a role as important as the selection of products. For high quality performance Urmet recommends to pay utmost attention to coaxial cable performance. The distances shown in the table have been certified with HD series cables.

System layout	Outer diameter	Certified distance for HD-SDI transmission (Full-HD)
Coaxial cable	3.3 mm	80 m
Coaxial cable	5 mm	170 m
Coaxial cable	7.5 mm	250 m

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VIDEO SURVEILLANCE VIDEO TRANSMISSION

SECURITY KITS

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CAMERA UNITS
DVR

AHD SOLUTIONS
THE RANGE

MAIN FEATURES
> A COMPREHENSIVE RANGE,
  SUITABLE FOR ALL APPLICATIONS
> JUST ONE SW PLATFORM AND APP
  FOR MANAGEMENT AND SUPERVISION
> HYBRID DVR TO MANAGE ANALOGUE VIDEO AND
  AHD STREAMS AT THE SAME TIME THROUGH
  THE NETWORK

Analog High Definition

AHD means Analogue High
Definition and identifies
a new technology based

on high-definition video
transmission through
coaxial cable

HD

E

Entry Level

Professional and convenient
products that are easy to install
and use.

F

Full Level

A comprehensive range of modular
products that can be constantly
updated and integrated as the
system's use requirements
change. All video management
solutions allow both local and
remote management, with
interchange between different
systems. A wide choice of devices
ideal for building systems with a
medium level of complexity.

H

High Profile

Digital products and solutions for
large and complex systems, such
as those installed in shopping
centres, stadiums, museums and
high-risk or sensitive areas.

Besides the various analogue
solutions available, for this specific
segment Urmet also recommends
its comprehensive IP range.

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THE ADVANTAGES

The key advantages of AHD are as follows:

High resolution:
using AHD devices you can achieve a resolution of 1280x720p
with an image quality suitable to any system requirements.

Transmission distance:
the coaxial cable, with 75Ohm impedance, is used for transmitting the video signals
and transmission distance is up to 500m (with progressive signal degradation)

Zero latency:
the cameras transmit video streams with no compression by any codec.
This means that the result is a high definition image with zero latency.

Configuration:
AHD devices are installed and used in a similar way to conventional devices
not requiring any specialist knowledge on the part of the installer.

Compatibility
AHD DVRs are compatible with analogue cameras and this promotes renewal of CCTV products of
existing systems.

SYMBOL KEY

E	Entry Level
F	Full Level
H	High Profile
	TVL Resolution
	Power supply
	Lens
	OSD

SEGMENTS/PRODUCTS

	No. Page	ENTRY LEVEL	FULL LEVEL	HIGH PROFILEL
CAMERAS	229	1092/250 1092/251 1092/270 1092/272 1092/271		
DVR	233	1093/524 1093/525 1093/526 1093/527 1093/528		

ACCESSORIES

	No. Page
Bracket	229

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AHD SOLUTIONS
CAMERA UNITS

640x480 FPS:30
Analogue video surveillance

1920x1080 FPS:30
AHD video surveillance

MAIN FEATURES

> 1/3" 2.1 MEGAPIXEL CMOS SENSOR
> 720P RESOLUTION
> SHUTTER CONTROL
> IR CUT FILTER

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CAMERAS

1092/250 📷   **Compact camera with 3.6mm lens and IR Cut filter, 12Vdc power supply**
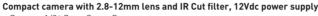
| 720P | 3.6 mm |
| OSD | 12VDC | **E** |

- Sensor: 1/3" Sony Cmos Sensor
- Minimum sensitivity: 0.03 Lux F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
Lens included

1092/251 📷   **Compact camera with 2.8-12mm lens and IR Cut filter, 12Vdc power supply**

| 720P | 2.8-12mm |
| OSD | 12VDC | **E** |

- Sensor: 1/3" Sony Cmos Sensor
- Minimum sensitivity: 0.03 Lux F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
Lens included

1092/270 📷   **Ball camera with 3.6mm lens and IR Cut filter, 12Vdc power supply**

| 720P | 3.6 mm |
| 12VDC | | **E** |

- Sensor: 1/4" OV Sony Cmos Sensor
- Minimum sensitivity: 0.02 Lux F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
Lens included

1092/272 📷   **Ball camera with 2.8-12mm lens and IR Cut filter**

| 720P | 2.8-12mm |
| OSD | 12VDC | **E** |

- Sensor: 1/3" Sony Cmos Sensor
- Minimum sensitivity: 0.03 Lux F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
Lens included

1092/271 📷   **Vandal resistant dome camera with 2.8-12mm lens and IR Cut filter, 12Vdc power supply**

| 720P | 2.8-12mm |
| OSD | 12VDC | **E** |

- Sensor: 1/3" Sony Cmos Sensor
- Minimum sensitivity: 0.03 Lux F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
Lens included

1092/250

1092/251

1092/270

1092/272

1092/271

ACCESSORIES

1092/147 📷   **Bracket for vandal resistant Dome camera 1092/271, 1093/311 and 1093/173M2**

1092/147

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AHD SOLUTIONS
CAMERA UNITS

COMPARATIVE CHART	1092/250	1092/251
TECHNICAL FEATURES		
Sensor type:	1/3" SONY CMOS Sensor	1/3" SONY CMOS Sensor
Sensitive elements:	1305(H)x1049(V) pixel	1305(H)x1049(V) pixel
Frames per second	AHD 25fps / CVBS 50fps / COMET 50fps	AHD 25fps / CVBS 50fps / COMET 50fps
Sensitivity:	0.03LUX F2	0.03LUX F2
Resolution:	AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H	AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H
Lens:	fixed 3.6 mm	Varifocal f2.8-12mm
S/N ratio:	>48 dB	>48 dB
Synchronisation:	Internal	Internal
Number of LEDs:	26	36
IR LED range/opening angle:	20m / +-60°	25m / +-60°
Shutter control	1/50 ~ 1/100000 sec (AUTO)	1/50 ~ 1/100000 sec (AUTO)

FUNCTIONS		
OSD	YES over cable	YES Internal
AHD 720P video output	YES	YES
CVBS 960H video output	YES	YES
COMET 1280H video output	YES	YES
PAL/NTSC Standard	YES	YES
IR CUT filter	YES	YES
White balancing (Outdoor / Indoor / ATW / AWB / AWC-SET / Manual)	YES	YES
Slow Shutter control (Sens-Up)	YES	YES
NR-3D filter	YES	YES
D-WDR	YES	YES
LSC (Lens shading on corners)	YES	YES
Day & Night function	YES	YES
Flicker detection	YES	YES
HLC/BLC (High Light/Back Light Compensation)	YES	YES
Anti-Defog	YES	YES
Motion Detection	YES	YES
Privacy Zone	YES	YES

GENERAL DATA		
Video output:	AHD 720P / CVBS 960H / COMET 1080H	AHD 720P / CVBS 960H / COMET 1080H
Power supply:	12 VDC	12 VDC
Consumption	280 mA +-10%	360 mA +-10%
Operating temperature:	0-50°C	0-50°C
Storage temperature	-30-60°C	-30-60°C
Dimensions (Ø x L)	Ø50x165mm	Ø62x150mm
Weight:	300g	350g
IP protection class:	IP66	IP66
Fairlead bracket	YES	YES
Use:	Indoor/outdoor	Indoor/outdoor

ACCESSORIES		
Power unit	1092/800	1092/800
Wall bracket	-	-

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1092/270	1092/272	1092/271
1/4" OV CMOS Sensor	1/3" SONY CMOS Sensor	1/3" SONY CMOS Sensor
1280(H)x800(V) pixel	1305(H)x1049(V) pixel	1305(H)x1049(V) pixel
AHD 25fps	AHD 25fps / CVBS 50fps / COMET 50fps	AHD 25fps / CVBS 50fps / COMET 50fps
0.02LUX F2	0.03LUX F2	0.03LUX F2
AHD 720P	AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H	AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H
fixed 3.6 mm	Varifocal f2.8-12mm	Varifocal f2.8-12mm
>40 dB	>48 dB	48 dB
Internal	Internal	Internal
24	36	30
18m / +-60°	25m / +-60°	22m / +-60°
1/25 ~ 1/100000 sec (AUTO)	1/50 ~ 1/100000 sec (AUTO)	1/50 ~ 1/100000 sec (AUTO)

1092/270	1092/272	1092/271
NO	YES over cable	YES Internal
YES	YES	YES
NO	YES	YES
NO	YES	YES
PAL only	YES	YES
YES	YES	YES
ATW	YES	YES
NO	YES	YES
NO	YES	YES
NO	YES	YES
NO	YES	YES
YES	YES	YES
NO	YES	YES
NO	YES	YES
NO	YES	YES
NO	YES	YES
NO	YES	YES

1092/270	1092/272	1092/271
AHD 720P PAL	AHD 720P / CVBS 960H / COMET 1080H	AHD 720P / CVBS 960H / COMET 1080H
12 VDC	12 VDC	12 VDC
260 mA +-10%	360 mA +-10%	300 mA +-10%
0-50°C	0-50°C	0-50°C
-30-60°C	-30-60°C	-30-60°C
Ø145 x 60 mm	Ø119 x 84 mm	Ø152 x 102(H) mm
380g	740g	700g
IP66	IP66	IP66
YES	NO	NO
Indoor/outdoor	Indoor/outdoor	Indoor/outdoor

1092/270	1092/272	1092/271
1092/800	1092/800	1092/800
-	-	1092/147

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VIDEO MANAGEMENT - DYNAMIC 2.0 SERIES DVR

> VIDEO COMPRESSION FORMAT H.264 WITH
  (LIVE AND RECORDING) 720P (1280X720P),
  WD1 (960X576), WHD1(960X288),
  WCIF (480X288) RESOLUTIONS
> URMET DDNS ACCOUNT CONFIGURATION
  THROUGH ID
> P2P CONFIGURATION

> TRIPLE SELF-ADJUSTING STREAM
> 1 HDD INCLUDED
> ALARM WARNING VIA E-MAIL
> SELF-MAINTENANCE MODE
> POSSIBILITY OF DATA ENCRYPTION
  ON THE WEB
> UVS CLIENT SOFTWARE INCLUDED IN SUPPLY

COMMON FEATURES

> FULL SCREEN AND MULTI-SCREEN
  VIEW
> SELECTABLE RECORDING SPEED
  1280X720P @ 25FPS, 960X576 @ 25FPS
> RECORDING MODES: CONTINUOUS, MANUAL,
  MOTION DETECTION, ALARM INPUT,
  PROGRAMMED, MIX (CONTINUOUS
  + MOTION DETECTOR + ALARM INPUT)
> MOTION DETECTOR
> MULTIPLE OR SINGLE RECORDING WITH
  PROGRAMMABLE DURATION
> VGA/ HDMI VIDEO OUTPUT
> POSSIBILITY OF REMOTE CONNECTION
  VIA UVS SW, WEB BROWSER, SMART PHONE
  AND TABLET (ANDROID, IPHONE)
> REMOTE RECORDING BACK-UP VIA TCP/IP
> RJ45 10/100M NETWORK INTERFACE

> ALARM MANAGEMENT
> WATERMARK
> SYNCHRONISED PLAYING
> LINUX OPERATING SYSTEM
> USB 2.0 PORTS FOR CONNECTING A MOUSE
  OR FOR BACKUP AND UPGRADE PURPOSES
> FRONT CONTROL PANEL
> REMOTE CONTROL FOR CONTROL
  AND MANAGEMENT
> SUPPORTS ZOOM IN/OUT FUNCTION
  AND CYCLED FUNCTION
> TRANSMISSION OF MAIN STREAM
  AND SUB STREAM ON THE NETWORK
> MULTI-LANGUAGE MENU (OSD)
> P2P
> URMET DDNS
> UVS SW INCLUDED

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DVR
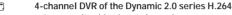
1093/524 ⊙ **4-channel DVR of the Dynamic 2.0 series H.264**
[H]
- 4 composite video input channels
- 4 inputs / 1 audio output
- 1 VGA video output/ 1 HDMI video output
- Recording resolution@frame-rate 1280x720p or 960x576 @ 25fps
- Multi-channel playback: 25fps on all channels
- 4 alarm inputs / 1 alarm output
- Dimensions: 300 (W) x 53 (H) x 227 (D) mm
- Power supply: 12Vdc -2A (power unit supplied)

1093/524

1093/525 ⊙ **8-channel DVR of the Dynamic 2.0 series H.264**
[E]
- 8 composite video input channels
- 8 inputs / 1 audio output
- 1 VGA video output/ 1 HDMI video output
- Recording resolution@frame-rate 1280x720p@15fps or 960x576 25fps
- Multi-channel playback: 15fps on all channels
- 8 alarm inputs / 1 alarm output
- Dimensions: 300 (W) x 53 (H) x 227 (D) mm
- Power supply: 12Vdc -2A (power unit supplied)

1093/525

1093/526 ⊙ **16-channel DVR of the Dynamic 2.0 series H.264**
[E]
- 16 composite video input channels
- 16 inputs / 1 audio output
- 1 VGA video output/ 1 HDMI video output
- Recording resolution@frame-rate 1280x720p@15fps or 960x576 25fps
- Multi-channel playback: 15fps on 8 channels
- 16 alarm inputs / 1 alarm output
- Dimensions: 380 (W) x 50 (H) x 340 (D) mm
- Power supply: 12Vdc -5A (power unit supplied)

1093/526

1093/527 ⊙ **8-channel DVR 720p real time of the Dynamic 2.0 series H.264**
[H]
- 8 composite video input channels
- 8 inputs / 1 audio output
- 1 VGA video output/ 1 HDMI video output
- Recording resolution@frame-rate 1280x720p or 960x576 @ 25fps
- Multi-channel playback: 25fps on all channels
- Dimensions: 300 (W) x 53 (H) x 227 (D) mm
- Power supply: 12Vdc -2A (power unit supplied))

1093/527

1093/528 ⊙ **16-channel DVR 720p real time of the Dynamic 2.0 series H.264**
[H]
- 16 composite video input channels
- 16 inputs / 1 audio output
- 1 VGA video output/ 1 HDMI video output
- Recording resolution@frame-rate 1280x720p or 960x576 @ 25fps
- Multi-channel playback: 25fps on 8 channels
- 16 alarm inputs / 1 alarm output
- Dimensions: 380 (W) x 50 (H) x 340 (D) mm
- Power supply: 12Vdc -5A (power unit supplied)

1093/528

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AHD SOLUTIONS
VIDEO MANAGEMENT - DYNAMIC 2.0 SERIES DVR

FUNCTION	1093/524	1093/525	1093/526
Compression formats	H.264		
Video inputs/outputs	4-CH with BNC input / 1-CH with VGA output 1CH for HDMI output	8-CH with BNC input / 1-CH with VGA output 1CH for HDMI output	16-CH with BNC input / 1-CH with VGA output 1CH for HDMI output
Audio I/O	4-CH for RCA input /	8-CH for RCA input /	16-CH for RCA input /
	1-CH for RCA output		
Screen resolution/Frame rate (per channel)	1280x720p 960x576@25fps		
Recording resolution (per channel)	1280x720p 960x576@25fps	1280x720p@25fps 960x576@25fps	
Recording frame rate	100fps@720p/960h	120fps@720p or 200fps@960h	240fps@720p or 400fps@960h
Recording mode	Continuous, manual, motion, alarm input, mix (continuous + motion + alarm input)		
Recorded files dimension	256MB		
Sub Stream	CIF@25fps		
Hard Disk Interface	1 HD SATA, up to 4TB		up to 2 HD SATA, 8TB
Video backup memory	USB		
Video output resolution	VGA: 800x600, 1024x768, 1280x1024, 1440x900, 1920x1080 HDMI: up to 1080p		
Playing mode (on local monitor)	up to 4CH simultaneously	up to 8CH simultaneously	up to 16CH simultaneously
Synchronised playing	YES		
Watermark	YES		
Data encryption on Web	YES		
Web / Client Multi-language Software	YES		
Alarm I/O	4IN / 1OUT	8IN / 1OUT	16IN / 1OUT
Types of alarm	Motion, Sensor, Video Loss, HD full, HD fault		
Maximum number of PCs that can be connected at the same time	3		
Apps	iUVS (iOS, Android), iUVSpad (iOS), iUVStab (Android)		
PTZ control	YES		
USB 2.0 Port	2		
Ethernet	10/100Mbps		
Network protocols	HTTP, DDNS, SMTP, RTSP, P2P		
Max absorption	24W		60W
Power supply	DC 12V 2A		DC 12V 5A
Operating temperature range	5°C – 40°C		
Dimensions (width x height x depth)	300x53x227mm		380x50x340mm
Weight, kg	1.1	1.1	1.5

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1093/527	1093/528
H.264	
8-CH with BNC input / 1 CH for VGA output 1CH for HDMI output	16-CH with BNC input / 1 CH for VGA output 1CH for HDMI output
8-CH for RCA input /	16-CH for RCA input /
1-CH for RCA output	
1280x720p 960x576@25fps	
1280x720p / 960x576 @ 25fps	1280x720p / 960x576 @ 25fps
200fps@720pv	400fps@720p
Continuous, manual, motion, alarm input, mix (continuous + motion + alarm input)	
256MB	
CIF@25fps	
1 HD SATA, up to 4TB	up to 2 HD SATA, 8TB
USB	
VGA: 800x600, 1024x768, 1280x1024, 1440x900, 1920x1080 HDMI: up to 1080p	
up to 8CH simultaneously	up to 16CH simultaneously
YES	
YES	
YES	
YES	
8IN / 1OUT	16IN / 1OUT
Motion, Sensor, Video Loss, HD full, HD fault	
3	
iUVS (iOS, Android), iUVSpad (iOS), iUVStab (Android)	
YES	
2	
10/100Mbps	
HTTP, DDNS, SMTP, RTSP, P2P	
24W	60W
DC 12V 2A	DC 12V 5A
5°C – 40°C	
300x53x227mm	380x50x340mm
1.1	1.5

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VIDEO SURVEILLANCE IP SYSTEMS

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IP SOLUTIONS

MAIN FEATURES

> COMPLETE RANGE
> INDOOR/OUTDOOR CAMERA UNITS POE
> SIMPLIFIED DEVICE SETUP
> (NVR AND IP CAMERAS)
> WIDE RANGE OF NVR WITH AND WITHOUT POE
> NVR WITH 2TB HD INCLUDED

> P2P AND URMET DDNS AVAILABLE
> FOR NVR RANGE
> NVR SW INCLUDED
> IUVS APP AVAILABLE FOR IOS AND ANDROID
> EASY SCALABILITY

E

Entry Level

Professional and convenient products that are easy to install and use.

F

Full Level

A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.

H

High Profile

Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

Urmet invests in new technologies and offers a range of IP solutions for increased system potential, functionality and flexibility. Installation is quick and easy: the entire system is wired using a UTP cable, and the existing network infrastructure can be used. In terms of performance, there are evident advantages: superior image quality,

complete remote device management (WAN/LAN). Urmet's IP solutions require use of a single centralised video management platform (UVS) supplied as standard. This software enables supervision of small and complex systems alike.

SEGMENTS/PRODUCTS

		Page No.	ENTRY LEVEL	FULL LEVEL	HIGH PROFILE
	MEGAPIXEL CAMERAS (ALSO AVAILABLE IN HD)	241/243			1093/134M1 1093/135M2 1093/136M1 1093/137M2 1093/172M2 1093/173M2 1093/174M1 1093/654M2
	NVR FULL HD	248/241	1093/908H 1093/932H 1093/908HP 1093/916HP 1093/932HP		

SYMBOL KEY

E	Entry Level
F	Full Level
H	High Profile

SYMBOL KEY

HD	HD
full HD	Full HD
	PoE
	Fixed lens
	Varifocal lens
	OSD

ACCESSORIES

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MEGAPIXEL
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CAMERAS

MAIN FEATURES

> COMPLETE RANGE

> POE INDOOR/OUTDOOR CAMERA UNITS

> SIMPLIFIED DEVICE SETUP (NVR AND IP CAMERAS)

> WIDE RANGE OF NVR WITH AND WITHOUT POE

> NVR WITH 2TB HD INCLUDED

> P2P AND URMET DDNS AVAILABLE FOR NVR RANGE

> UVS SW INCLUDED

> IUVS APP AVAILABLE FOR IOS AND ANDROID

> EASY SCALABILITY

> RTSP FUNCTION (VIDEO OUTPUT THROUGH RTSP PROTOCOL)

> FTP FUNCTION (IMAGE OUTPUT VIA FTP)

Urmet presents a new IP range that tops off its wide offering. The new range includes new camera units and NVR video recorders. The new IP cameras are available with resolutions from 720p up to 1080p (Full HD) @ 25fps for indoor and outdoor applications (IP66); they are hence suitable not only for small residential or shop installations but also for more complex systems with open architecture. All models are equipped with LED for night vision with no lights, motion detector, D-WDR function for video shooting optimisation in high contrast conditions, and PoE and 12Vdc power supply. Product range includes mini dome or vandal dome cameras as well as outdoor/indoor compact cameras with fixed or varifocal lens. The new IP cameras enhance and top off the current offering, which is now thorough, cost-effective and in line with the main market demands. All camera units are updated to the latest **ONVIF 2.3** release. Both the new IP cameras and the NVRs feature the same configuration interface (GUI) so that system setup operations are extremely simple and user-friendly. Another asset is **UVS**, the video centralised management SW that can manage on a single interface up to 128 live video streams (up to 4 monitors) coming from different types of devices of the Urmet range, and namely: DVR with Standard 960H resolution, HD-SDI DVR, AHD, IP Cameras and NVRs. The **iUVS** app (available for iOS and Android) tops off the standard outfit of all Urmet products featuring a network interface and, like UVS SW, the app is compatible with all CCTV products in the range. Therefore, Urmet designed solutions for all CCTV product lines that will meet any requirement in terms of range completeness, technical performance, flexibility and scalability.

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CAMERAS

1093/134M1 📷

COMPACT CAMERA WITH FIXED 3.6MM LENS – 720p W/LED
- Sensor: 720P CMOS
- Lens: 3.6mm
- Resolution and MAX encoding rate: 720P (1280x720)@25fps
- Triple Stream
- Sensitivity: Colour: 0.08Lux @(F1.2,AGC ON) ,0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)

[720P] [3.6 mm]
[Poe] [12VDC]

1093/134M1

1093/135M2 📷

E

COMPACT CAMERA WITH FIXED 3.6MM LENS – 1080p W/LED
- Sensor: 1080P CMOS
- Lens: 3.6mm
- Resolution and MAX encoding rate: 1080P (1920x1080)@25fps
- Triple Stream
- Sensitivity: 0.03Lux @(F1.2,AGC ON) ,0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)

[1080P] [3.6 mm]
[Poe] [12VDC]

1093/135M2

1093/136M1 📷

E

COMPACT CAMERA WITH VARIFOCAL 2.8-12MM LENS – 1.3M W/LED
- Sensor: 1080P CMOS
- Lens: 2.8-12mm
- Resolution and MAX encoding rate: 1.3M (1280x960)@25fps
- Triple Stream
- Sensitivity: 0.03Lux @(F1.2,AGC ON) ,0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- IR led range: 30m
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)

[720P] [2.8-12mm]
[Poe] [12VDC]

1093/136M1

1093/137M2 📷

E

COMPACT CAMERA WITH VARIFOCAL 2.8-12MM LENS – 1080p W/LED
- Sensor: 1080P CMOS
- Lens: 2.8-12mm
- Resolution and MAX encoding rate: 1080P (1920x1080)@25fps
- Triple Stream
- Sensitivity: 0.03Lux @(F1.2,AGC ON) ,0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- IR led range: 30m
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)

[1080P] [2.8-12mm]
[Poe] [12VDC]

1093/137M2

CAMERAS

1093/172M2

CAMERAS

1093/172M2   📷

INDOOR MINI DOME CAMERA WITH FIXED 3.6MM LENS – 1080p
- Sensor: 1080P CMOS
- Lens: 3.6mm
- Resolution and MAX encoding rate: 1080P (1920x1080)@25fps
- Triple Stream
- Sensitivity: Colour: 0.03Lux @(F1.2,AGC ON) ,0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- IR led range: 20m
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)

E

| 1080P | fix 3.6mm |
| Poe | 12VDC |

1093/173M2

1093/173M2   📷

OUTDOOR VANDALDOME CAMERA WITH VARIFOCAL 2.8-12MM LENS – 1080p W/LED
- Sensor: 1080P CMOS
- Lens: 2.8-12mm
- Resolution and MAX encoding rate: 1080P (1920x1080)@25fps
- Triple Stream
- Sensitivity: Colour: 0.03Lux @(F1.2,AGC ON) ,0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- IR led range: 20m
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)

E

| 1080P | 2.8-12mm |
| Poe | 12VDC |

1093/174M21

1093/174M1   📷

INDOOR 3.6MM MINI DOME CAMERA, 1.3M
- Sensor: 1.3Mpx CMOS
- Lens: 3.6mm
- Resolution and MAX encoding rate: 720P (1280x720)@25fps
- Triple Stream
- Sensitivity: Colour: 0.03Lux @(F1.2,AGC ON) ,0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- IR led range: 20m
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)

E

| 1.3 MP | fix 3.6mm |
| Poe | 12VDC |

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CAMERAS

1093/654M2   **Easydome D&N camera IP 20X with IR LED 1080p**
- Sensor: 1/2.8" type Exmor CMOS
- Sensitivity: 0.1 lux
- Resolution: 1080P
- Resolution and MAX encoding rate: 1080P (1920x1080)@25fps
- Double Stream
- OSD menu
- Optical Zoom: 20X f=4. 7mm~94.0 mm);
- Digital Zoom: 16x
- IR led range: 150m
- Protection class: IP66
- Power supply: DC12V/5A

H 1080P
OSD 12VDC

1093/654M2

ACCESSORIES

1093/147   **Bracket for vandal resistant Dome camera 1092/271, 1093/311 and 1093/173M2**

1093/147

CAMERAS

COMPARATIVE CHART	1093/654M2	1093/136M1
TECHNICAL FEATURES		
Type of camera	Dome PTZ	Bullet
Sensor type	1/2.8" type Exmor CMOS	1.3Mpx CMOS
Sensitivity	0.1 lux	0.03Lux @(F1.2,AGC ON) ,0 Lux with IR
IR Led range	150m	30m
Lens type	Zoom 20X f=4. 7mm~94.0 mm	Varifocal 2.8-12mm
Day&Night	IR cut filter with auto switch	IR cut filter with auto switch
Auto shutter	-	1/25s ~ 1/20,000s
Composite video output	YES	NO
Audio input	1 audio input	NO
Audio output	1 Audio Output	NO
Reset key	NO	NO
Reset function	YES	YES
Video Stream Main/Sub/Mobile	Main/Sub	Main/Sub/Mobile
Resolution and MAX supported encoding rate	up to 1080P (1920×1080)/25fps	up to 720P (1280×720)/25fps
Compression algorithm	H.264	H.264
Bit-rate	50Kbps ~ 8Mbps	64kbps-8Mbps
Communication ports	10/ 100 Base-T	1 RJ45 10M / 100M Ethernet interface

FUNCTIONS		
Motion detector	YES	YES
VoIP	NO	NO
Watermark	NO	YES
Alarm Outputs/Inputs	8 alarm inputs / 1 relay output	NO
Supported protocols	TCP/IP, RTSP, FTP, PPPOE, DHCP, DDNS, NTP, UPnP	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)
Sub-stream function	YES	YES
Mobile-stream function		YES
View on mobile phone or PDA	YES	YES
Integrated web server (IE)/Client software	YES	YES
Slot for SD-Card		NO

GENERAL DATA		
Weight	-	-
IP protection class	IP66	IP66
PoE (standard 803.AF)	NO	YES
Operating temperature range	-30 °C ~ 60 °C	-10 °C ~ 60 °C (14 °F ~ 140 °F)
Power supply (not supplied)	DC12V/5A	12 VDC ± 10%, PoE

ACCESSORIES		
Power unit	YES	YES

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CAMERAS

COMPARATIVE CHART	1093/134M1	1093/137M2	1093/135M2
TECHNICAL FEATURES			
Type of camera	Bullet	Bullet	Bullet
Sensor type	720P CMOS	1080P CMOS	1080P CMOS
Sensitivity	0.08Lux @(F1.2,AGC ON),0 Lux with IR	0.03Lux @(F1.2,AGC ON) 0 Lux with IR	0.03Lux @(F1.2,AGC ON) 0 Lux with IR
IR Led range	-	30m	-
Lens type	fixed lens, M12 3.6MM	varifocal 2.8-12mm	fixed lens, MP 3.6MM
Day&Night	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch
Auto shutter	1/25s ~ 1/20,000s	1/25s ~ 1/100,000s	1/25s ~ 1/100,000s
Composite video output	NO	NO	NO
Audio input	NO	NO	NO
Audio output	NO	NO	NO
Reset key	NO	YES	YES
Reset function	YES	YES	YES
Video Stream Main/Sub/Mobile	Main/Sub/Mobile	Main/Sub/Mobile	Main/Sub/Mobile
Resolution and MAX supported encoding rate	up to 720P (1280×720)/25fps	up to 1080P (1920×1080)/25fps	up to 1080P (1920×1080)/25fps
Compression algorithm	H.264	H.264	H.264
Bit-rate	64kbps-8Mbps	64kbps-8Mbps	64kbps-8Mbps
Communication ports	1 RJ45 10M / 100M Ethernet interface	1 RJ45 10M / 100M Ethernet interface and 1 RS-485 interface	1 RJ45 10M / 100M Ethernet interface and 1 RS-485 interface

	1093/134M1	1093/137M2	1093/135M2
FUNCTIONS			
Motion detector	YES	YES	YES
VoIP	NO	NO	NO
Watermark	YES	YES	YES
Alarm Outputs/Inputs	NO	NO	NO
Supported protocols	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP(SNMP, HTTPS, SIP optional)	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)
Sub-stream function	YES	YES	YES
Mobile-stream function	YES	YES	YES
View on mobile phone or PDA	YES	YES	YES
Integrated web server (IE)/Client software	YES	YES	YES
Slot for SD-Card	NO	NO	NO

	1093/134M1	1093/137M2	1093/135M2
GENERAL DATA			
Weight	-	-	-
IP protection class	IP66	IP66	IP66
PoE (standard 803.AF)	YES	YES	YES
Operating temperature range	-10 °C ~ 60 °C (14 °F ~ 140 °F)	-10 °C ~ 60 °C (14 °F ~ 140 °F)	-10 °C ~ 60 °C (14 °F ~ 140 °F)
Power supply (not supplied)	12 VDC ± 10%, PoE	12 VDC ± 10%, PoE	12 VDC ± 10%, PoE

	1093/134M1	1093/137M2	1093/135M2
ACCESSORIES			
Power unit	YES	YES	YES

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CAMERAS

COMPARATIVE CHART	1093/174M1	1093/172M2	1093/173M2
TECHNICAL FEATURES			
Type of camera	Mini dome cameras	Mini dome cameras	Vandaldome
Sensor type	1.3Mpx CMOS	1080P CMOS	1080P CMOS
Sensitivity	0.03Lux @(F1.2,AGC ON) ,0 Lux with IR	0.03Lux @(F1.2,AGC ON) ,0 Lux with IR	0.03Lux @(F1.2,AGC ON) ,0 Lux with IR
IR Led range	20m	20m	20m
Lens type	Indoor, M12 3.6MM	Indoor, CS 3.6MM @ F1.2,Angle of view: 90°	varifocal 2.8-12MM @ F1.2,Angle of view:28°- 93°
Day&Night	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch
Auto shutter			1/25s ~ 1/20,000s
Composite video output	NO	NO	NO
Audio input	NO	NO	NO
Audio output	NO	NO	NO
Reset key	NO	NO	NO
Reset function	YES	YES	YES
Video Stream Main/Sub/Mobile	Main/Sub/Mobile	Main/Sub/Mobile	Main/Sub/Mobile
Resolution and MAX supported encoding rate	up to 720P (1280×720)/25fps	up to 1080P (1920×1080)/25fps	up to 1080P (1920×1080)/25fps
Compression algorithm	H.264	H.264	H.264
Bit-rate	64kbps-8Mbps	64kbps-8Mbps	64kbps-8Mbps
Communication ports	1 RJ45 10M / 100M Ethernet interface	1 RJ45 10M / 100M Ethernet interface	1 RJ45 10M / 100M Ethernet interface

FUNCTIONS			
Motion detector	YES	YES	YES
VoIP	NO	NO	NO
Watermark	YES	YES	YES
Alarm Outputs/Inputs	NO	NO	NO
Supported protocols	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)
Sub-stream function	YES	YES	YES
Mobile-stream function	YES	YES	YES
View on mobile phone or PDA	YES	YES	YES
Integrated web server (IE)/Client software	YES	YES	YES
Slot for SD-Card	NO	NO	NO

GENERAL DATA			
Weight	-	-	-
IP protection class	IP66	IP66	IP66
PoE (standard 803.AF)	YES	YES	YES
Operating temperature range	-10 °C ~ 60 °C (14 °F ~ 140 °F)	-10 °C ~ 60 °C (14 °F ~ 140 °F)	-10 °C ~ 60 °C (14 °F ~ 140 °F)
Power supply (not supplied)	12 VDC ± 10%, PoE	12 VDC ± 10%, PoE	12 VDC ± 10%, PoE

ACCESSORIES			
Power unit	YES	YES	YES

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NVR
BOOST 2.0 SERIES

MAIN FEATURES

> COMPLETE RANGE
> POE INDOOR/OUTDOOR CAMERA UNITS
> SIMPLIFIED DEVICE SETUP
  (NVR AND IP CAMERAS)
> WIDE RANGE OF NVR WITH AND WITHOUT POE
> NVR WITH 2TB HD INCLUDED
> P2P AND URMET DDNS AVAILABLE
  FOR NVR RANGE

> UVS SW INCLUDED
> IUVS APP AVAILABLE FOR IOS AND ANDROID
> EASY SCALABILITY
> NETWORK PORTS: GIGA ETHERNET
> RTSP FUNCTION (VIDEO OUTPUT THROUGH
  RTSP PROTOCOL)

Urmet presents a new IP range that tops off its wide offering. The new range includes new camera units and NVR video recorders.
The new NVRs include 8Ch and 32Ch solutions for the entry level segment and 8ch-16ch and 32ch with built-in PoE for the mid-Hi end market. All NVRs feature local video outputs (HDMI and VGA), 1080p resolutions, alarm and audio In/Out, Gigabit network port, 3 USB ports (BOOST 1x3.0 USB

for Backup and Update, 2x 2.0 USB for Mouse), digital zoom in playback, E-Sata port for Back-up.
As a way to enhance versatility and ease of installation, the new range features Urmet DDNS and, for anyone requiring a higher configuration speed, the P2P function with which it is not necessary to set up the router for managing the video stream through WAN All NVRs are updated to the latest **ONVIF 2.3** release.

Both the new IP cameras and the NVRs feature the same configuration interface (GUI) so that system setup operations are extremely simple and user-friendly. Another asset is **UVS**, the video centralised management SW that can manage on a single interface up to 128 live video streams (up to 4 monitors) coming from different types of devices of the Urmet range, and namely: DVR with Standard 960H resolution, HD-SDI DVR,

IP Cameras and NVRs.
The **iUVS** app (available for iOS and Android) tops off the standard outfit common to all Urmet products featuring a network interface and, like UVS SW, the app is compatible with all CCTV products in the range. Therefore, Urmet designed solutions for all CCTV product lines that will meet any requirement in terms of range completeness, technical performance, flexibility and scalability.

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SECURITY KITS

NVR

NVR

1093/908H

NVR 8CH 1080p
- 8 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed
  - 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK)
  - 1080P(1920×1080): 6ch@25fps
  - 720P(1280×720) / D1 (704×576): 8ch@25fps
- Max band that can be managed: 100Mbit
- 2TB HDD included (max 2 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- Power supply: DC 12V 5A
- Dimensions: 380 (W)X 50 (H)X 340 (D) mm

1093/932H

NVR 32CH 1080p
- 32 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed
  - 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK)
  - 1080P(1920×1080): 6ch@25fps
  - 7720P(1280×720): 12ch@25fps
  - D1 (704×576): 16ch@25fps
- Max band that can be managed: 200Mbit
- 2TB HDD included (max 2 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- Power supply: DC 12V 5A
- Dimensions: 380 (W)X 50 (H)X 340 (D) mm

1093/908HP

NVR 8CH 1080p PoE
- 8 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed
  - 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK)
  - 1080P(1920×1080): 6ch@25fps
  - 720P(1280×720) / D1 (704×576): 8ch@25fps
- Max band that can be managed: 100Mbit
- 2TB HDD included (max 2 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- PoE ports: 8
- Power supply: DC 48V 2A (Power unit supplied)
                PoE Switch: DC48V
- Dimensions: 380 (W)X 50 (H)X 340 (D) mm

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NVR

1093/916HP 📷 **NVR 16CH 1080p PoE**

F
- 16 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed
  - 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK)
  - 1080P(1920×1080): 6ch@25fps
  - 720P(1280×720): 12ch@25fps
  - D1 (704×576): 16ch@25fps
- Max band that can be managed: 200Mbit
- 2TB HDD included (max 2 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- PoE ports: 8
- Power supply: DC 48V 2A (Power unit supplied)
          PoE Switch: DC48V
- Dimensions: 380 (W)X 50 (H)X 340 (D) mm

1093/916HP

1093/932HP 📷 **NVR 32CH 1080p PoE**

H
- 32 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed
  - 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK)
  - 1080P(1920×1080): 6ch@25fps
  - 720P(1280×720): 12ch@25fps
  - D1 (704×576): 16ch@25fps
- Max band that can be managed: 200Mbit
- 2TB HDD included (max 8 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- PoE ports: 16
- Power supply: AC 100~240V/ 5A, 50~60Hz
          PoE Switch: DC48V
- Dimensions: 460 (W)X 89 (H)X 440 (D) mm

1093/932HP

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SECURITY KITS

NVR

COMPARATIVE CHART	1093/908H	1093/932H
TECHNICAL FEATURES		
Video compression	H264	H264
Ip video inputs	8	32
Max recording resolution	1080P	1080P
Framerate in rec (max)	25fps (@1080p)	25fps (@1080p)
Playback resolution and speed on local video output (PLAYBACK)	1080P(1920×1080): 6ch@25fps / 720P(1280×720) / D1 (704×576): 8ch@25fps	1080P(1920×1080): 6ch@25fps / 720P(1280×720): 12ch@25fps / D1 (704×576): 16ch@25fps"
Main video output	HDMI/VGA	HDMI/VGA
Max band that can be managed	100Mbit	200Mbit
Alarm in/out	8IN/1OUT	8IN/1OUT
Front panel with keys	NO	NO
Gigabit network board	YES	YES
Email alarm warning	YES	YES
USB port	1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)	1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
Audio in/out	YES (8IN Depending from IPC/1OUT)	YES (32IN Depending from IPC/1OUT)
Digital zoom in playback	YES	YES
Web browser	YES	YES
Mobile view	YES	YES
Max no. of hdd	2 SATA HDDs, max 4TB per HDD	2 SATA HDDs, max 4TB per HDD
Ddns	YES	YES
Compatibility with "new" ip cameras	YES	YES
E-sata	YES	YES
Power supply:	DC 12V 5A	DC 12V 2A
Dimensions:	380 (W)X 50 (H)X 340 (D) mm	380 (W)X 50 (H)X 340 (D) mm

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1093/908HP	1093/916HP	1093/932HP
H264	H264	H264
8	16	32
1080P	1080P	1080P
25fps (@1080p)	25fps (@1080p)	25fps (@1080p)
1080P(1920×1080): 6ch@25fps / 720P(1280×720) / D1 (704×576): 8ch@25fps	1080P(1920×1080): 6ch@25fps / 720P(1280×720): 12ch@25fps / D1 (704×576): 16ch@25fps	1080P(1920×1080): 6ch@25fps / 720P(1280×720): 12ch@25fps / D1 (704×576): 16ch@25fps
HDMI/VGA	HDMI/VGA	HDMI/VGA
100Mbit	200Mbit	200Mbit
8IN/1OUT	8IN/1OUT	16IN/4OUT
NO	NO	NO
YES	YES	YES
YES	YES	YES
1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)	1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)	1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
YES (8IN Depending from IPC/1OUT)	YES (16IN Depending from IPC/1OUT)	YES (32IN Depending from IPC/1OUT)
YES	YES	YES
YES	YES	YES
YES	YES	YES
2 SATA HDDs, max 4TB per HDD	2 SATA HDDs, max 4TB per HDD	8 SATA HDDs, max 4TB per HDD
YES	YES	YES
YES	YES	YES
YES	YES	YES
DC 48V 2A (Power unit supplied) PoE Switch: DC48V	DC 48V 2A (Power unit supplied) PoE Switch: DC48V	AC 100~240V/ 5A, 50~60Hz PoE Switch: DC48V
380 (W)X 50 (H)X 340 (D) mm	380 (W)X 50 (H)X 340 (D) mm	460 (W)X 89 (H)X 440 (D) mm

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**MANAGEMENT SYSTEM
FOR CAMERAS AND NVR**

VIDEO SURVEILLANCE
SOFTWARE FOR CENTRALISED
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STANDARD SOLUTIONS SOFTWARE

CLIENT SW

Urmet UVS

UVS SW (Urmet Video Smart) is specifically designed for management and centralised video monitoring of medium/large-sized CCTV systems. It includes a Client module used to manage/monitor the whole system either in direct display mode (max. **512** video streams that can be displayed on 4 monitors) or by means of interactive graphic maps; **UVS** stands out for functional system capacity, scalability and user-friendliness). **UVS software is compatible with the products of the Evolution 2.0, Dynamic 2.0, Progress 2.0, Boost 2.0 series**

Operating systems:
Mac 10.8.0
Windows XP-Vista 7-8

WEB BROWSER

Safari
6.0

Explorer
10.0.11.0

APP iUVS

iUVS is the app for iOS® and Android® devices that allows the end user to access the video streams available in the system. The key functions of iUVS are as follows:

• Video live streaming of up to 32 channels
• Remote search and playing
• Local playing
• Also available in iUVSpad version (for iPAD) and in iUVStab version (for Android tablet)

• Landscape screen mode
• PTZ function
• Support for multiple devices
• Snapshot and video capture

Android®   **iPhone**®   **iPad**®

FULL TECHNOLOGICAL INTEGRATION WITH UVS

When shooting, recording and controlling the video streams.

Urmet UVS is a true multi-technological control platform for video surveillance systems, allowing users to manage analogue and digital technologies at the same time, integrating video stream control.

AHD cameras

HD-SDI cameras

DVR AHD

DVR HD-SDI

Analogue cameras

Standard DVR

NVR

LAN

IP cameras

Urmet UVS

Urmet UVS allows you to manage:

> Up to 100 devices
> Up to 128 video streams per monitor
> Up to 4 display monitors
> Multi-account user access

UVS allows integration of the following systems:

> Standard 960H DVR of the Evolution 2.0 and Videosmart series
> HD-SDI DVR of the Progress 2.0 series
> NVR of the Boost 2.0 series, AHD DVR of the Dynamic 2.0 series
> IP cameras

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VIDEO SURVEILLANCE VIDEO TRANSMISSION

SECURITY KITS

urmet

VIDEO SURVEILLANCE URMET CLOUD

HD IP SOLUTIONS FOR RESIDENTIAL APPLICATIONS

urmet cloud

Video-surveillance 2.0 for your home, office or business. It's inexpensive, very effective and takes only 5 minutes to install.

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URMET CLOUD.
SIMPLE AND RELIABLE.

With Urmet Cloud you can:

- **Check** more cameras, even though they are installed in different places
- **Access** the cameras with a single user profile, always tuned to all your devices
- **Avoid** cabling and complex network configuration
- **Use** the service from any Internet provider

Urmet Cloud offers:

- **Indoor and outdoor cameras** with high definition, colour images
- **Day&Night function** for night shooting
- **Live Audio** with a two-way channel (listen and talk) with the location where the camera is installed
- **Presence detector** to activate the recording mode and send the alarm in case of intrusion.
- **Video recording on an SD card** starting automatically in case of an event.

urmet
cloud

remote
control

night
vision

two-way
audio

installation
plug&**play**

Sample diagram
of an Urmet Cloud system

1093/184M14

1093/184M15

1093/184M12

http://www

1093/184M16

router

1093/900
H-NVR

urmet
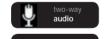
Indoor and outdoor.

The **Urmet Cloud Cameras** are available in **indoor** and **outdoor** versions. All models are equipped with infrared for **night vision** and a microphone for **environmental listening**.

remote **control**	two-way **audio**
night **vision**	installation **plug&play**

1093/184M11	1093/184M12	1093/184M14	1093/184M15	1093/184M16

FIND OUT HOW EASY IT IS TO INSTALL AND SET-UP

Aim your smartphone here and watch the video on YouTube!

Up and running in 5 minutes!

Urmet Cloud IP cameras will impress you for their visual quality and quick and easy installation and set up. No PC required. Yout just need a smartphone to set up your new system.

Install a camera in five simple steps:

1

Open the box to find everything you need: the camera, the mounting bracket, the power unit, the antenna and the quick guide. A couple of connections and you're good to go!

2

Register your profile on Urmet Cloud through the app or on www.cloud.urmet.com

3

Plug into any socket and ensure that the LED turns on: the camera is working!

4

Connect the camera to your router: you can choose whether to use the Wi-Fi or a standard network cable: no configuration needed, the camera is already on-line!

5

Done! Now you can connect to your camera at any time. And in case of alarm, you will receive a notice on your cellphone!

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THE RIGHT CHOICE
TO BE SAFER.

Urmet Cloud is suitable for you home, shop or office

Urmet Cloud is the perfect video surveillance system for those who want to keep important private life of professional places under control at all times. The performance level is uncompromising; it is easy to install the cameras and view images on tablet, smartphone or pc.

ADVANTAGES

QUALITY AUDIO AND VIDEO

HIGH RELIABILITY

EASY TO INSTALL

No router configuration required

All devices checked
from a single profile

Visit www.cloud.urmet.com to register With your credentials you may access also using the apps for iOS® and Android® mobile devices and add all your cameras to your profile, even if they are installed in different locations.
Now you can display all your images in a simple and fast way.

You may leave without worries, choose **Urmet Cloud**

HD IP SYSTEMS
FOR RESIDENTIAL APPLICATIONS

Android®   **iPhone**®   **iPad**®

MAIN FEATURES

> VIDEO COMPRESSION H.264/MJPEG
> HD 720P@30FPS
> NIGHT VIEW IR LED
> 3.6MM INTEGRATED LENS
> MICRO SD SLOT (MAX. 32GB)
> TWO-WAY AUDIO (SPEAK/LISTEN FUNCTION)
> MOTION DETECTOR
> WI-FI 11N WITH INTEGRATED ANTENNA /WPS

1093/184M11

Wi-Fi   urmet cloud   HD 720p

1093/184M11

E

Indoor WIFI IP camera with 3.6mm integrated lens and IR Led
• Video compression H.264 / MJPEG
• HD 720p@30fps
• Night vision IR LEDs
• 3.6-mm integrated lens
• Micro SD Slot (max. 32 GB)
• Two-way audio (speak/listen function)
• Motion Detector
• WI-FI 11n with integrated antenna / WPS
• Plug&play
• No router configuration

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HD IP SYSTEMS
FOR RESIDENTIAL APPLICATIONS

Android®   **iPhone**®   **iPad**®

MAIN FEATURES

> VIDEO COMPRESSION H.264/MJPEG
> HD 720P@30FPS
> NIGHT VIEW IR LED
> 3.6MM INTEGRATED LENS
> MECHANICAL FILTER
> MICRO SD SLOT (MAX. 32GB)
> TWO-WAY AUDIO (SPEAK/LISTEN FUNCTION)
> ALARM IN/OUT
> BUILT-IN PIR MOVEMENT SENSOR
> MOTION DETECTOR
> WI-FI 11N WITH INTEGRATED ANTENNA /WPS

1093/184M12

Wi•Fi   urmet cloud   HD 720p   PIR   two-way audio

1093/184M12

E

Indoor WIFI IP camera with 3.6mm integrated lens, PIR sensor, IR CUT Filter and IR Led
• Video compression H.264 / MJPEG
• HD 720p@30fps
• Night vision IR LEDs
• 3.6-mm integrated lens
• Mechanical filter
• Micro SD Slot (max. 32 GB)
• Two-way audio (speak/listen function)
• Alarm In/Out
• In-built PIR movement sensor
• Motion Detector
• WI-FI 11n with integrated antenna / WPS
• Plug&play
• No router configuration

Android®   iPhone®   iPad®

MAIN FEATURES

> VIDEO COMPRESSION H.264/MJPEG
> HD 720P@30FPS
> NIGHT VIEW IR LED
> 3.6MM INTEGRATED LENS
> MECHANICAL FILTER
> MICRO SD SLOT (MAX. 32GB)
> AUDIO IN/OUT
> ALARM IN/OUT
> MOTION DETECTOR
> WI-FI 11N WITH INTEGRATED ANTENNA /WPS
> POE 802.3AF

1093/184M14

Wi·Fi   urmet cloud   HD 720p   PIR   PoE

two-way audio

1093/184M14

E

Indoor WIFI IP mini dome camera with 3.6mm integrated lens, IR CUT Filter and IR Led
• Video compression H.264 / MJPEG
• HD 720p@30fps
• Night vision IR LEDs
• 3.6-mm integrated lens
• Mechanical filter
• Micro SD Slot max. 32 GB (SD not included)
• Two-way audio (speak/listen function)
• Alarm In/Out
• Motion Detector
• WI-FI 11n – with Nano Dongle USB
• PoE 802.3af
• Plug&play
• No router configuration

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HD IP SYSTEMS
FOR RESIDENTIAL APPLICATIONS

Android®   **iPhone**®   **iPad**®

Lens
3.6 mm

MAIN FEATURES

> VIDEO COMPRESSION H.264/MJPEG
> HD 720P@30FPS
> NIGHT VIEW IR LED
> 3.6MM INTEGRATED LENS
> MECHANICAL FILTER
> MICRO SD SLOT (MAX. 32GB)
> AUDIO IN/OUT
> ALARM IN/OUT
> MOTION DETECTOR
> WI-FI 11N WITH INTEGRATED ANTENNA /WPS
> POE 802.3AF

1093/184M15

Wi•Fi   urmet cloud   HD 720p   PoE   **OUT**DOOR

1093/184M15

E

Compact IP WIFI D&N camera with 3.6mm integrated lens, IR CUT filter and IR Led
• Video compression H.264 / MJPEG
• HD 720p@30fps
• Night vision IR LEDs
• 3.6-mm integrated lens
• Mechanical filter
• Micro SD Slot (max. 32GB)
• Audio In/Out
• Alarm In/Out
• Motion Detector
• WI-FI 11n with integrated antenna
• PoE 802.3af
• Plug&play
• No router configuration

Android®   iPhone®   iPad®

Lens
2.8-12 mm

MAIN FEATURES

> VIDEO COMPRESSION H.264/MJPEG
> HD 720P@30FPS
> NIGHT VIEW IR LED
> VARIFOCAL 2.8-12 MM INTEGRATED LENS
> MECHANICAL FILTER
> MICRO SD SLOT (MAX. 32GB)
> AUDIO IN/OUT
> ALARM IN/OUT
> MOTION DETECTOR
> WI-FI 11N WITH INTEGRATED ANTENNA /WPS
> POE 802.3AF

1093/184M16

Wi-Fi   urmet cloud   HD 720p   PoE   OUTDOOR

1093/184M16	Compact IP WIFI D&N camera with 2.8-12mm integrated lens, IR CUT filter and IR Led
E	• Video compression H.264 / MJPEG
	• HD 720p@30fps
	• Night vision IR LEDs
	• 2.8-12mm integrated lens
	• Mechanical filter
	• Micro SD Slot (max. 32GB)
	• Audio In/Out
	• Alarm In/Out
	• Motion Detector
	• WI-FI 11n with integrated antenna
	• PoE 802.3af
	• Plug&play
	• No router configuration

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HD IP SYSTEMS
FOR H-NVR RESIDENTIAL APPLICATIONS

Android®   iPhone®   iPad®

MAIN FEATURES

> VIDEO COMPRESSION H.264/MJPEG
> 4 CH HD 720P@30FPS
> VGA AND HDMI VIDEO OUTPUT
> P2P
> URMET DDNS
> UVS INCLUDED
> iUVS (ANDROID/IOS)
> MOTION DETECTOR

1093/900

Wi•Fi   urmet cloud

1093/900 ◊

E

H-NVR 4CH 720p
• 4 IP video inputs
• Max. recording resolution 1080p
• 1 VGA output / 1 HDMI output
• MAX recording resolution and speed
  - 720P(1280×720): 25fps (real time)
  - 1080P(1920×1080): no real time
• Local playback resolution and speed (LIVE/
  PLAYBACK)
  - 1080P(1920×1080): 2ch@25fps
  - 720P(1280×720) / D1 (704×576): 4ch@25fps
• Max band that can be managed: 25Mbit
• HDD included
• No. 2 USB 2.0
• Power supply: DC 12V 2A
• Dimensions: 200 (W)X 43 (H)X 194 (D) mm

◊ Compatible with standard IP camera 1093/134M1

1093/900

TECHNICAL FEATURES	
Video compression	H264
IP VIDEO INPUTS	4
Max recording resolution	1080P
Framerate in rec (max)	25fps (@720p) Non real-time (@1080p)
Framerate in local live/playback (max)	1080P(1920×1080): 2ch@25fps / 720P(1280×720) / D1 (704×576): 4ch@25fps
Main video output	HDMI/VGA
Max band that can be managed	25Mbit
Alarm in/out	NO
Front panel with keys	NO
Lan network board	YES
Email alarm warning	YES
USB port	2x 2.0 USB (Backup and Mouse)
Audio management	YES
Digital zoom in playback	YES
Web browser	YES
Mobile view	YES
Max no. of hdd	1 SATA HDDs, max 4TB
DDNS	YES
E-sata	NO
Power supply	DC 12V 2A
Dimensions	200 (W) x 43 (H) x 194 (D) mm

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VIDEO SURVEILLANCE
VIDEO TRANSMISSION

BALUN
AIRNET
AIRNET ANTENNAS
AIRNET PLUS

VIDEO TRANSMISSION

VIDEO TRANSMISSION OVER UTP CABLE

Video Balun (Balanced-Unbalanced) devices use UTP CAT5 (or higher) twisted pair cables for transmission of video signals. These ensure the following advantages with respect to coaxial cables:
• longer wiring distances (max 3000 m);
• commonly available cables;
• a single cable can be used to transmit 4 video signals (through the 4 twisted pairs inside the CAT5 cable);
• high level of protection against atmospheric discharge and electromagnetic induction;
• easy and inexpensive installation;
• high performance;
• suitable for all system types;

E
Entry Level

Professional and convenient products that are easy to install and use.

F
Full Level

A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.

From video transmission on UTP cable (balun devices) to wireless, remote wave solutions or multiband network transmission:

Urmet technology offers different solutions to freely manage system design as best suited to your needs.

H
High Profile

Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

DISTANCE (m)	0 250	1200	2100
VIDEO SOURCE END	PASSIVE	PASSIVE	ACTIVE
	1092/300A 1092/301*	1092/300A	1092/302
VIDEO USER END	PASSIVE	PASSIVE	ACTIVE
	1092/300A 1092/301*	1092/303 1092/304 1092/316	1092/303 1092/304 1092/316

urmet

WIRELESS SOLUTIONS

WIRELESS

These wireless solutions represent the most reliable option for security applications on long distances and in extended public areas.
The different technologies available meet a wide range of data transmission needs, with effective and punctual results.
Urmet's product offer

includes:
• remote wave solutions;
• Airnet solutions with broadband IP transmission;
• Airnet plus solutions, with 3G Router.

The best solution for any application context, at your disposal.

SYMBOL KEY

E	Entry Level
F	Full Level
H	High Profile

SEGMENTS/PRODUCTS

		Page No.	ENTRY LEVEL	FULL LEVEL	HIGH PROFILE
	BALUN	273/274		1092/300A 1092/301 1092/302 1092/303 1092/304 1092/316	
	AIRNET	275		1094/150N	1094/102N 1094/103N 1094/104N 1094/106N
	AIRNET PLUS	278		1094/202 1094/210 1094/102N	

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BALUN

MAIN FEATURES

> COMPACT SIZE FOR A SIMPLE CONNECTION
TO CAMERAS, MONITOR AND VIDEO
MANAGEMENT DEVICES.
> 1 BNC VIDEO INPUT AND TERMINAL BOARD
FOR CONNECTION WITH UTP CAT5 CABLE
> EXTREMELY EASY TO USE
> NO POWER SUPPLY REQUIRED
> DOUBLE IMPEDANCE AND DISTURBANCE
FILTER TO ENSURE IMPROVED SHIELDING
AGAINST ANY INTERFERENCE

1092/300A

Two Passive Video Baluns (without signal amplification) for impedance balancing between coaxial cable and UTP cable. Particularly suitable for the transmission/ reception of black/white or colour video signal over UTP (Unshielded Twisted Pair) cable.

urmet

VIDEO TRANSMISSION
OVER UTP CABLE

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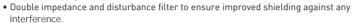
BALUN

1092/300A
Two Passive Video Balun TX/RX
Two Passive Video Baluns (without signal amplification) for impedance balancing between coaxial cable and UTP cable. Particularly suitable for the transmission/reception of black/white or colour video signal over UTP (Unshielded Twisted Pair) cable.
- Compact size for a simple connection to cameras, monitor and video management devices.
- 1 BNC Video Input and terminal board for connection via UTP CAT5 cable
- Extremely easy to use.
- No power supply required.
- Double impedance and disturbance filter to ensure improved shielding against any interference.
- The package includes a set of transceivers.

E F H

1092/300A

1092/301
Two Passive Video Balun TX/RX with remote power supply
Passive Video Baluns (without signal amplification) preset with connectors for camera remote power supply; they ensure impedance balancing between coaxial cable and UTP cable. Particularly suitable for the transmission/reception of black/white or colour video signal and remote power supply over UTP (Unshielded Twisted Pair) cable.
- Compact size for a simple connection to cameras, monitor and video management devices.
- 1 BNC Video Input and RJ45 connector for connection with UTP CAT5 cable.
- Extremely user-friendly.
- No power supply required.
- Input/output for remote power supply.
- Double impedance and disturbance filter to ensure improved shielding against any interference.
- The package includes a set of transceivers.

E F H

1092/301

1092/302 *
1-channel Active Video Balun Transmitter
The Active Video Balun Transmitter (with signal amplification) balances the impedance between coaxial cable and UTP cable and is particularly suitable for transmission of a black/white or colour video signal over a UTP (Unshielded Twisted Pair) cable over distances above 1,200 m.
Can be used with active receivers 1092/303, 1090/304 or with 1092/316.
- Compact size for a simple connection to cameras, monitor and video management devices.
- 1 BNC Video Input (female) and terminal board for connection via UTP CAT5 cable
- Extremely easy to use.
- 3-level gain adjustment of signal being transmitted.
- Double impedance and disturbance filter to ensure improved shielding against any interference.
- Preset for wall mounting.
- Power supply: 12Vdc – max 80 mA (POWER UNIT NOT INCLUDED)

E F H

1092/302

* not compatible with AHD range

E Entry Level   F Full Level   H High Profile

VIDEO TRANSMISSION OVER UTP CABLE

VIDEO RECEIVERS

1092/303 •

1092/303 *

1-channel Active Video Balun Receiver

The Active Video Balun Receiver (with signal amplification) balances the impedance between coaxial cable and UTP cable and is particularly suitable for receiving a black/white or colour video signal over a UTP (Unshielded Twisted Pair) cable over distances above 250 m. Can be used with passive TX/RX 1092/300 or with active transmitter 1092/302.
• Compact size for a simple connection to cameras, monitor and video management devices.
• 1 BNC Video Output (female) and terminal board for connection via UTP CAT5 cable
• Extremely easy to use.
• Dip-switch for video signal equalization (definition and contrast).
• Potentiometer for adjusting video signal level (brightness).
• Double impedance and disturbance filter to ensure improved shielding against any interference.
• Preset for wall mounting.
• Power supply: 12Vdc – max 80 mA (POWER UNIT NOT INCLUDED)

| E | F | H |

1092/304 *

1092/304

4-channel Active Video Balun Receiver

The Active Video Balun Receiver (with signal amplification) balances the impedance between coaxial cable and UTP cable and is particularly suitable for reception of up to 4 black/white or colour video signals over a UTP (Unshielded Twisted Pair) cable.
Can be used with passive TX/RX 1092/300 or with active transmitter 1092/302.
• Compact size for a simple connection to cameras, monitor and video management devices.
• 4 BNC female outputs, terminal board and RJ45 connector for UTP CAT5 cable input
• Extremely easy to use.
• Dip-switch for video signal equalization (definition and contrast) on each channel.
• Potentiometer for adjusting video signal level (brightness) on each channel.
• Double impedance and disturbance filter to ensure improved shielding against any interference.
• UTP signal input available on terminal board or on RJ45 connector.
• Preset for wall mounting.
• Power supply: 12Vdc – max 80 mA (POWER UNIT NOT INCLUDED)

| E | F | H |

1092/316 *

1092/316

16-channel Active Video Balun Receiver

The Active Video Balun Receiver (with signal amplification) balances the impedance between coaxial cable and UTP cable and is particularly suitable for reception of up to 16 black/white or colour video signals over a UTP (Unshielded Twisted Pair) cable. Can be used with passive TX/RX 1092/300 or with active transmitter 1092/302.
• Compact size for a simple connection to cameras, monitor and video management devices.
• 16 loopthrough BNC female outputs, and 4 RJ45 connectors for UTP CAT5 cable input
• Extremely easy to use.
• Dip-switch for video signal equalization (definition and contrast) on each channel.
• Potentiometer for adjusting video signal level (brightness) on each channel.
• Double impedance and disturbance filter to ensure improved shielding against any interference.
• Signal input available on RJ45 connector.
• 230Vac power supply

| E | F | H |

* not compatible with AHD range

| E | Entry Level | F | Full Level | H | High Profile |

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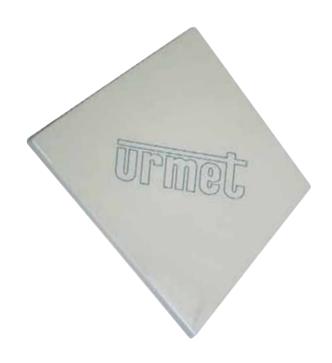
WIRELESS SOLUTIONS
AIRNET

MAIN FEATURES

> MULTI-BANDWIDTH FOR DIGITAL TRANSMISSION
> SOLUTIONS WITH BUILT-IN OR EXTERNAL
   ANTENNA (OMNIDIRECTIONAL, SECTORIAL,
   PANEL OR PARABOLIC ANTENNA)
> UP TO 200 MBPS BANDWIDTH PER CHANNEL
> CONFIGURATION, ALIGNMENT
   AND COST-ESTIMATING SOFTWARE
> PoE

> 802.11 A/B/G/ N OR A/N STANDARD
   (DEPENDING ON THE MODEL)
> DUAL BAND (2.4 - 5.4 GHZ)
> IP67 (DEPENDING ON THE MODEL)
> P-P, P-MP CONFIGURATION.
   REPEATER, BRIDGE
> REACHABLE DISTANCES UP TO 20 KM

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WIRELESS SOLUTIONS
AIRNET

WIRELESS 802.11 – AIRNET SERIES

1094/102N*

H

5.4 GHz single-band radio system with built-in antenna
5.4 GHz single-band radio system that can be used as CPE, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s) with built-in antenna (gain: 23 dBi 5.4 GHz). Used for point-to-point connections. IP67.
Composition: CPE + PoE.

1094/103N*

H

2.4/5.4 GHz double-band radio system with double radio interface (external antenna)
Radio system with double radio interface and possible double band - 2.4 GHz and 5.4 GHz - that can be used as CPE, Repeater, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s per radio module) with external antennas. Used for point-to-point and point-to-multipoint or repeater connections.
IP67. Composition: CPE/AP + PoE (requires one or several external antennas).

1094/104N*

H

2.4/5.4 GHz double-band radio system with triple radio interface (external antenna)
Radio system with triple radio interface and possible double band - 2.4 GHz and 5.4 GHz - that can be used as CPE, Repeater, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s per radio module) with external antennas. Used for point-to-point and point-to-multipoint or repeater connections.
IP67. Composition: CPE/AP + PoE (requires one or several external antennas).

1094/106N*

H

2.4/5.4 GHz double-band radio system with four radio interfaces (external antenna)
Radio system with four radio interfaces and possible double band - 2.4 GHz and 5.4 GHz - that can be used as CPE, Repeater, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s per radio module) with external antennas. Used for point-to-point and point-to-multipoint or repeater connections.
IP67. Composition: CPE/AP + PoE Standard 802.3af
(requires one or several external antennas).

1094/150N*

F

5.4 GHz Radio KIT with built-in 16dBi antenna
Set of radio systems that can be used as point-to-point connection (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s) with built-in antenna (16 dBi gain). IP67
Composition: 2 CPE + 2 PoE + 2 bracket kits for system tilting.

* Please contact our sales network to verify product availability

E Entry Level   F Full Level   H High Profile

urmet

WIRELESS SOLUTIONS
AIRNET

EXTERNAL ANTENNAS FOR AIRNET SERIES

1094/301	2.4 GHz 12dB Vertically-polarised Omnidirectional Antenna, Beam Width of 7°V x 360°H
1094/302	5.4 GHz 17dB Vertically-polarised Sectorial Antenna, Beam Width of 120° H
1094/303	5.4 GHz 18dB Vertically-polarised Sectorial Antenna, Beam Width of 90° H
1094/304	5.4 GHz 19dB Vertically-polarised Sectorial Antenna, Beam Width of 60° H
1094/306	5.4 GHz 19dB Panel Antenna, Beam Width of 16°V x 16°H
1094/307	5.4 GHz 29dB Parabolic Antenna, Beam Width of 4°V x 4°H
1094/308	5.4 GHz 12dB Vertically-polarised Omnidirectional Antenna, Beam Width of 7°V x 360°H

1094/307

TECHNICAL FEATURES

Routing and management protocols
TCP/IP Protocol: Firewall and NAT –, port range, IP protocol (ICMP type, TCP flags and MSS), ToS (DSCP) byte

Data Rate Management - Hierarchical HTB QoS system with bursts; per IP / protocol / subnet / port / firewall mark; PCQ, RED, SFQ, FIFO queue; CIR, MIR, contention ratios, dynamic client rate equalizing (PCQ), bursts, Peer-to-Peer protocol limitation

Point-to-Point tunnelling protocols - PPTP, PPPoE and L2TP; PAP, CHAP, MSCHAPv1 and MSCHAPv2; RADIUS authentication; MPPE encryption; PPPoE; data rate limitation; differentiated firewall

DHCP - DHCP server; DHCP relay; DHCP client; DHCP multiple networks; RADIUS support

Simple tunnels - IPIP tunnels, EoIP (Ethernet over IP) IPsec - IP security AH and ESP; MODP Diffie-Hellman 1,2,5; MD5 Hashing algorithms; DES, 3DES, AES-128, AES-192, AES-256 encryption algorithms; Perfect Forwarding Secrecy (PFS) MODP 1,2,5 3

	External radio						Built-in radio	
	802.11b	RX Sensitivity	TX Power	802.11a	RX Sensitivity	TX Power	RX sensitivity	802.11a: -92 dBm @ 6Mbps to -76 dBm @ 54 Mbps
	1Mbit	-93	24	6Mbit	-97	25		802.11n: -92 dBm @ MCSO to -73 dBm @ MCS7 40 MHz
	11Mbit	-93	24	54Mbit	-80	21		
Output power / Receiver sensitivity	802.11g			802.11n 5GHz				
	6Mbit	-94	25	MCSO 20MHz	-97	24		
	56Mbit	-81	22	MCSO 40MHz	-92	22		
	802.11n 2.4GHz			MCS7 20MHz	-77	18	TX power	802.11a: 22 dBm @ 6Mbps to 19 dBm @ 54 Mbps
	MCSO 20MHz	-94	25	MCS7 40MHz	-74	17		802.11n: 22 dBm @ MCSO to -15 dBm @ MCS7
	MCSO 40MHz	-92	24					
	MCS7 20MHz	-78	21					
	MCS7 40MHz	-75	20					

	802.11b	
		11,5.5,2,1 Mbps, auto-fallback
	802.11a/g	
		54 Mbps, 48 Mbps , 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps,
Transfer Data Rate	802.11n	
	20MHz	1Nss: 65Mbps @ 800GI, 72.2Mbps @ 400GI (Max
		2Nss: 130Mbps @ 800GI, 144.4Mbps @ 400GI (Max)
	40MHz	1Nss: 135Mbps @ 800 GI, 150Mbps @ 400GI (Max)
		2Nss: 270Mbps @ 800 GI, 300Mbps @ 400GI (Max)
Supported IEEE standards:	5Ghz 802.11a and 802.11a/n and 2.4 Ghz 802.11b and 802.11g	
Frequencies	2.312 – 2.497 Ghz (5 Mhz step) and 4.920 – 6.100 (5 MHz steps or multiples)	
Security	Hardware: 64 and 128 bit WEP; TKIP and AES-CCM encryption; 802.1x WPA authentication	
Modulation	802.11b+g: DSSS, OFDM for data rate ›30Mbps – 802.11a: OFDM	

E Entry Level   F Full Level   H High Profile

INTEGRATION
BUILDING
AUTOMATION

INTRODUCTION
TO
VIDEO SURVEILLANCE

VIDEO SURVEILLANCE
COAXIAL SYSTEM

VIDEO SURVEILLANCE
HD-SDI
SYSTEMS

VIDEO SURVEILLANCE
AHD
SYSTEMS

VIDEO SURVEILLANCE
IP
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SOFTWARE FOR
CENTRALISED
MANAGEMENT

VIDEO SURVEILLANCE
URMET
CLOUD

VIDEO SURVEILLANCE
VIDEO
TRANSMISSION

SECURITY
KITS

WIRELESS SOLUTIONS
AIRNET PLUS

MAIN FEATURES

> HSPA/UMTS ROUTER SPECIFICALLY DEVELOPED
  FOR VIDEO/DATA APPLICATIONS
> ACTIVATION OF TIMED CONNECTION VIA SMS
> ALARM SMS
> AIRNET PLUS:
  UNLIMITED CONNECTIVITY

Freedom of communication with the utmost security:
- **SIM Card** for on-demand or permanent internet connection through the mobile network.
- **VPN Support** (Virtual Private Network) for remote user (individual Clients or entire LANs) secure access to the local LAN network with data encryption.
- The advantages of technology: a high transmission speed allows managing traditional applications as well as video streaming. This new development answers current market trends showing

that, as a consequence of the spread of the 3G standard and the increasing speeds available, connectivity via mobile UMTS/HSPA network has become a valid alternative to broadband connectivity. Connection via HSDPA and HSUPA 3G networks currently ensures download speeds of up to 7.2 Mbps and upload speeds of up to 5.76 Mbps, very close to and in some cases even higher than the speeds offered by ADSL.
- System alarm SMS (with Urmet's DVR) a after an alarm has been activated. By sending an SMS to the

device it is possible to activate an internet connection transmitting with the information concerning the duration of said connection. Alternatively, the connection can be automatically activated for a pre-established length of time.
- Possibility to establish secure connections with other networks or computers via Internet. The security of the data transmitted on the "public" network is guaranteed by VPNs (Virtual Private Networks) and the use of IPSec or L2TP/PPTP encryption and authentication protocols.

- The routers of the wireless-WAN series also support advanced Internet functions such as Virtual Server, Dynamic DNS and Email check.

The 1092/202 router can be used for:
- mobile applications
- installation in geographical areas that are not yet covered by ADSL, where UMTS/HSPA/GPRS/EDGE connectivity is available
- installation where wired Internet access is not available
- as backup system for a standard ADSL network.

AIRNET PLUS

1094/202N[*] **Router 3G with built-in modem**
- 1 Ethernet port 10/100 Mbit/s Fast Ethernet
- Supported networks UMTS/HSPA and GSM/GPRS/EDGE
- Used frequencies 900, 1800, 1900 and 2100 MHz
- Can manage streams up to 7.2 Mbps in download and 2.0 Mbps in upload (HSPA)
- URMET configuration software: Airnet plus UTILITY

F H

[*] Please contact our sales network to verify product availability

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| E | Entry Level | F | Full Level | H | High Profile |

urmet

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS AND ELECTRICAL SPECIFICATIONS	
Power supply	12 V DC 1 A
Device dimensions (W x H x D) mm	200 x 115 x 35
Housing material	aluminium
Operating temperature	from 0°C to +50°C
RADIO SYSTEM CHARACTERISTICS	
CPU	Atheros AR7130 300MHz
Memory	32MB DDR SDRAM (card memory)
Communication port	1 10/100 Mbit/s Ethernet port Fast Ethernet with Auto-MDI/X
Reset	through internal switch
Power supply	Power over Ethernet: 10÷28V DC
Power consumption	typically ~3W (maximum 12 W)
USB	1
Frequencies	900, 1800, 1900 and 2100 MHz
Radio Chipset	Atheros AR5414
Security	Hardware: 64 and 128 bit WEP; TKIP and AES-CCM encryption; 802.1x WPA authentication
Supported networks	UMTS/HSPA and GSM/GPRS/EDGE
Max. output power	24 dBm
Sensitivity	102dBm
Supplied outfit	Power unit (230V AC – 12V DC) • Stylus antenna

SUPPORTED PROTOCOLS

Routing and management protocols
TCP/IP Protocol: Firewall and NAT –, port range, IP protocol (ICMP type, TCP flags and MSS), ToS (DSCP) byte

Data Rate Management - Hierarchical HTB QoS system with bursts; per IP / protocol / subnet / port / firewall mark; PCQ, RED, SFQ, FIFO queue; CIR, MIR, contention ratios, dynamic client rate equalizing (PCQ), bursts, Peer-to-Peer protocol limitation

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DHCP - DHCP server; DHCP relay; DHCP client; DHCP multiple networks; RADIUS support

Simple tunnels - IPIP tunnels, EoIP (Ethernet over IP) IPsec - IP security AH and ESP; MODP Diffie-Hellman 1,2,5; MD5 Hashing algorithms; DES, 3DES, AES-128, AES-192, AES-256 encryption algorithms; Perfect Forwarding Secrecy (PFS) MODP 1,2,5

ANTENNA

1094/210   **3G Router Antenna**
• Frequency range used: 824-960 MHz – 1710-2500 MHz
• Gain: 7 dBi (824-960 MHz) – 9 dBi (1710-2500 MHz)
• Impedance: 50 Ohm
• Wall mount

1094/210

FEATURES	
Type	High gain GSM/UMTS external antenna allowing GPRS/EDGE and UMTS/HSPA signal reception
Installation	Wall mounting
Frequency range used	824-960 MHz - 1710-2500 MHz
Impedance	50 Ohm
Gain	7 dBi (824-960 MHz) - 9 dBi (1710-2500 MHz)
Connector	N-Female
Device dimensions (W x H x D) mm	252 x 164 x 50
Housing material	ABS
Operating temperature	From -20°C to +70°C

INTEGRATION BUILDING AUTOMATION

INTRODUCTION TO VIDEO SURVEILLANCE

VIDEO SURVEILLANCE COAXIAL SYSTEM

VIDEO SURVEILLANCE HD-SDI SYSTEMS

VIDEO SURVEILLANCE AHD SYSTEMS

VIDEO SURVEILLANCE IP SYSTEMS

SOFTWARE FOR CENTRALISED MANAGEMENT

VIDEO SURVEILLANCE URMET CLOUD

VIDEO SURVEILLANCE VIDEO TRANSMISSION

SECURITY KITS

urmet

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AHD VIDEO SURVEILLANCE KIT

SECURITY
KITS

AHD VIDEO SURVEILLANCE KIT: TOTAL CONTROL

Everything you need to create a base system.

Two kits suitable for all applications: digital 4-channel
video recorder and mini camera with 3.6-mm lens,
or digital 8-channel video recorder and mini camera
with 2.8 - 12 mm lens.

The range.

• **1093/KHD4** – CCTV KIT with Dynamic 2.0 4Ch AHD DVR
  • n. 1 – **1093/002AHD** P2P 4Ch DVR
  • n. 2 – **1092/250** D&N AHD compact camera 720P – 3.6mm built in lens
  • n. 2 – **1092/800** power supply 230 Vca 12 Vcc – 500 mA
  • n. 2 – simplified privacy form model

CLIENT SW

Urmet UVS

WEB BROWSER

APP iUVS

Android® **iPhone**® **iPad**®

• **1093/KHD8** – CCTV KIT with Dynamic 2.0 8Ch AHD DVR
  • n. 1 – **1093/003AHD** P2P 8Ch DVR
  • n. 2 – **1092/251** D&N AHD compact camera 720P – 2.8-12mm built in lens
  • n. 2 – **1092/801** power supply 230 Vca 12 Vcc – 1.200 mA
  • n. 2 – simplified privacy form model

CLIENT SW

Urmet UVS

WEB BROWSER

APP iUVS

Android® **iPhone**® **iPad**®

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VIDEO SURVEILLANCE VIDEO TRANSMISSION

SECURITY KITS

urmet

DIMENSIONS

COMPOSITION TABLE

TECHNICAL INFO

urmet

APARTMENT STATIONS

COLOUR VIDEO DOOR PHONE TOUCH-SCREEN

li modo

5.27	1.42		134	36
	8.86			225

(H x W x D) in | **(H x W x D) mm**

COLOUR VIDEO DOOR PHONE TOUCH-SCREEN

modo

5.07	1.38		129	35
	8.66			220

(H x W x D) in | **(H x W x D) mm**

COLOUR VIDEO DOOR PHONE

aiko

6.30	1.17		160	29,7
	5.12			130

(H x W x D) in | **(H x W x D) mm**

urmet

APARTMENT STATIONS

FOLIO HANDSFREE VIDEO DOOR PHONE

folio

Installation on plasterboard wall

5.31 in

61.02 in

5.31 in

Embedding box

5.07 in

2.08 in

5.16 in

6.69   2.12

5.823

(H x W x D) in

170   54

148

(H x W x D) mm

HANDSFREE VIDEO DOOR PHONE

nexo

5.35   0.96

7.87

(H x W x D) in

136   24,5

200

(H x W x D) mm

APARTMENT STATIONS

COLOUR VIDEO DOOR PHONE

mìro

7.874   2.047 (1.06)

6.811

(H x W x D) in

200   52 (27)

173

(H x W x D) mm

COLOUR VIDEO HANDSFREE DOOR PHONE

mìro

5.078   0.905

6.299

(H x W x D) in

129   23

160

(H x W x D) mm

DOOR PHONE

mìro

1150/1 - 1150/35 - 1183/5

7.87   2.04 (1.06)

3.54

(H x W x D) in

200   52 (27)

90

(H x W x D) mm

urmet

APARTMENT STATIONS

COLOUR VIDEO DOOR PHONE

signo

8.85   1.97

8.07

(H x W x D) in

225   50

205

(H x W x D) mm

DOOR PHONE

signo
AUDIO

8.85   1.57

3.15

(H x W x D) in

225   40

80

(H x W x D) mm

DOOR PHONE

atlantico

9.29   2.52

3.94

(H x W x D) in

236   64

100

(H x W x D) mm

APARTMENT STATIONS

DOOR PHONE

UTOPIA

8.86   1.91

3.54

(H x W x D) in

225   48,5

90

(H x W x D) mm

1130

8.58   2.20

3.03

(H x W x D) in

218   56

77

(H x W x D) mm

DUO HANDSFREE DOOR PHONE

752/33

7.68   1.26

3.46

(H x W x D) in

195   32

88

(H x W x D) mm

Embedding
boxes

Frame

8.23 in

9.05 in

4.09 in

1.26 in

5.03 in

APARTMENT STATIONS / ENTRY PANELS

INTERCOM DEVICE

INTERCOM

5.12   1.41

7.32

(H x W x D) in

130   36

186

(H x W x D) mm

VIDEO ENTRY PANEL

ELEKTA

12.20   1.65

5.12

(H x W x D) in

310   42

130

(H x W x D) mm
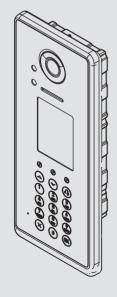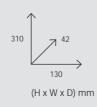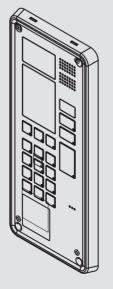
VANDAL RESISTANT VIDEO ENTRY PANEL

ELEKTA STEEL

12.20   1.65

5.12

(H x W x D) in

310   42

130

(H x W x D) mm

ENTRY PANELS
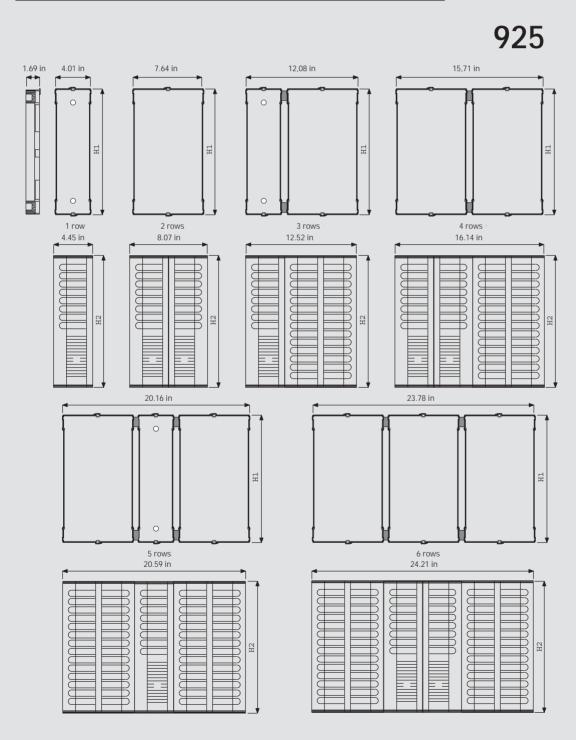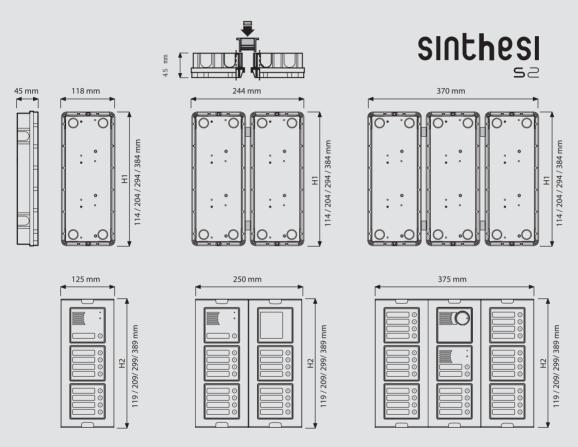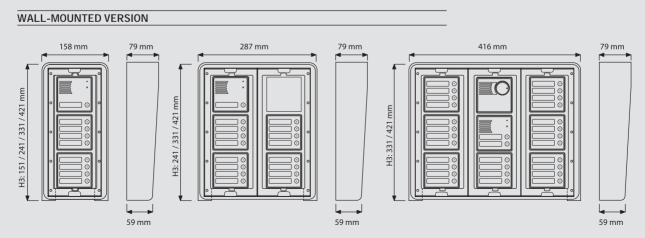
FRONTALS, EMBEDDING BOXES

925

1.69 in   4.01 in   7.64 in   12,08 in   15,71 in

H1

1 row   2 rows   3 rows   4 rows

4.45 in   8.07 in   12.52 in   16.14 in

H2

20.16 in   23.78 in

H1

5 rows   6 rows
20.59 in   24.21 in

H2

urmet

ENTRY PANELS

FLUSH-MOUNTED VERSION

sinthesi S2

45 mm

118 mm

H1
114 / 204 / 294 / 384 mm

244 mm

H1
114 / 204 / 294 / 384 mm

370 mm

H1
114 / 204 / 294 / 384 mm

125 mm

H2
119 / 209/ 299/ 389 mm

250 mm

H2
119 / 209/ 299/ 389 mm

375 mm

H2
119 / 209/ 299/ 389 mm
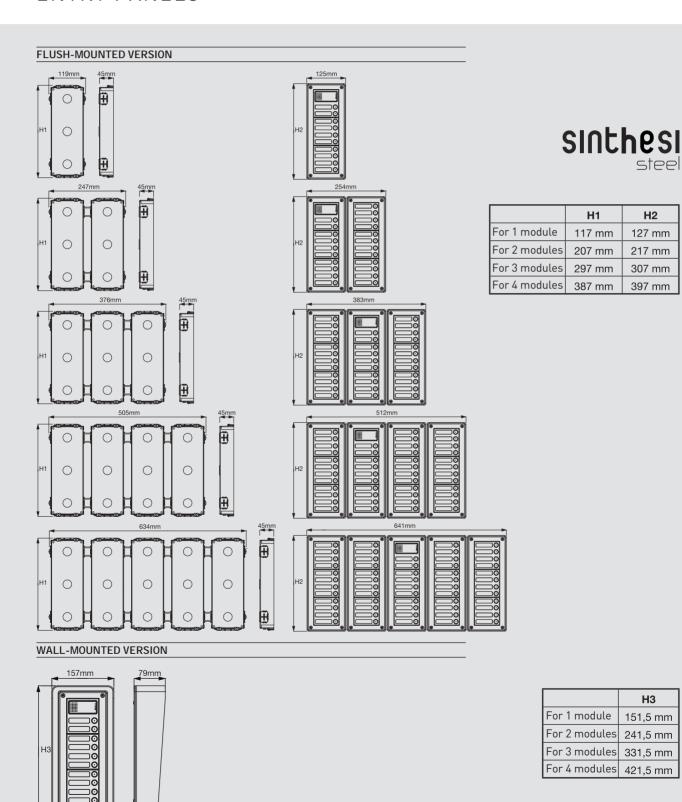
NOTE: H1 = 114, 204, 294, 384 indicates flush mounting height and H2 = 119, 209, 299, 389 indicates to total height relative to 1, 2, 3 and 4 module versions.

WALL-MOUNTED VERSION

158 mm

79 mm

H3: 151 / 241 / 331 / 421 mm

59 mm

287 mm

79 mm

H3: 241 / 331 / 421 mm

59 mm

416 mm

79 mm

H3: 331 / 421 mm

59 mm
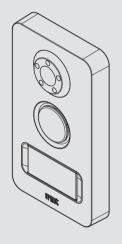
NOTE: H3 referred to the total height may differ according to the number of modules that the case may contain.

ENTRY PANELS

FLUSH-MOUNTED VERSION

119mm 45mm H1

125mm H2

247mm 45mm H1

254mm H2

376mm 45mm H1

383mm H2

505mm 45mm H1

512mm H2

634mm 45mm H1

641mm H2

sinthesi steel

	H1	H2
For 1 module	117 mm	127 mm
For 2 modules	207 mm	217 mm
For 3 modules	297 mm	307 mm
For 4 modules	387 mm	397 mm

WALL-MOUNTED VERSION

157mm 79mm H3 59mm

	H3
For 1 module	151,5 mm
For 2 modules	241,5 mm
For 3 modules	331,5 mm
For 4 modules	421,5 mm

ENTRY PANELS

CURTAILED PANEL

mikra

185   20

99

(H x W x D) mm

mikra AUDIO

185   20

99

(H x W x D) mm

PANEL FACADE

CURTAILED PANEL

mikra EXIGO
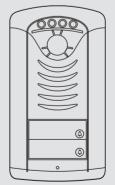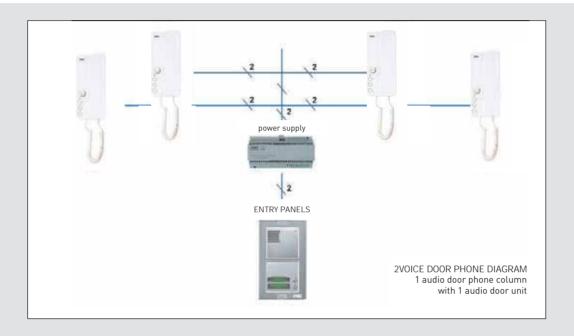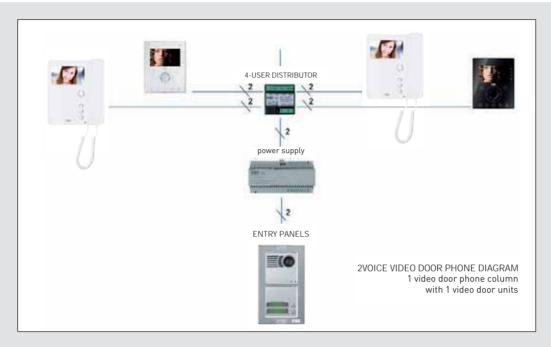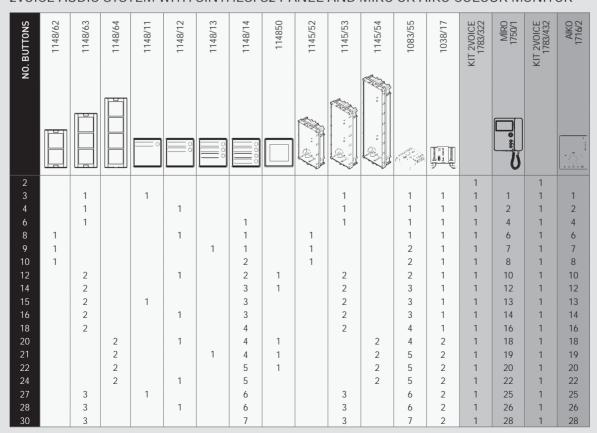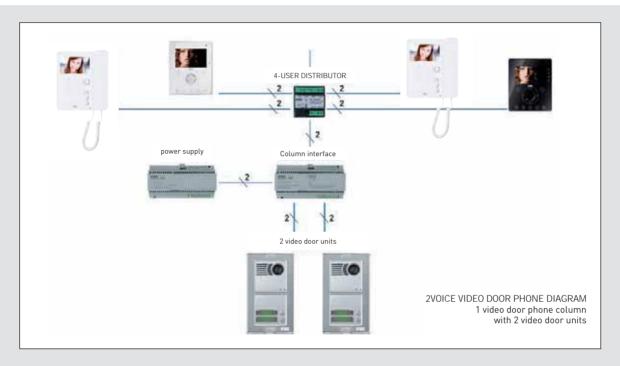
270   3

136

(H x W x D) mm

230   3

136

(H x W x D) mm

SMYLE

185   35

99

(H x W x D) mm

2VOICE SYSTEM

2VOICE DOOR PHONE DIAGRAM
1 audio door phone column
with 1 audio door unit

2VOICE AUDIO SYSTEM WITH SINTHESI S2 PANEL

NO. BUTTONS	1148/62	1148/63	1148/64	1148/11	1148/12	1148/13	1148/14	1148/50	1145/52	1145/53	1145/54	1083/17	KIT 2VOICE 1183/502	2VOICE door phone Comfort 1183/5
2													1	
3		1		1						1		1	1	1
4		1			1					1		1	1	2
6		1					1			1		1	1	4
8	2				1		1		2			1	1	6
9			1			1	1				1	1	1	7
10			1				2				1	1	1	8
12		2			1		2	1		2		1	1	10
14		2					3	1		2		1	1	12
15		2		1			3			2		1	1	13
16		2			1		3			2		1	1	14
18		2					4			2		1	1	16
20			2		1		4	1			2	2	1	18
21			2			1	4	1			2	2	1	19
22			2				5	1			2	2	1	20
24			2		1		5				2	2	1	22
27		3		1			6			3		2	1	25
28		3			1		6			3		2	1	26
30		3					7			3		2	1	28

2VOICE SYSTEM

4-USER DISTRIBUTOR

power supply

ENTRY PANELS

2VOICE VIDEO DOOR PHONE DIAGRAM
1 video door phone column
with 1 video door units

2VOICE AUDIO SYSTEM WITH SINTHESI S2 PANEL AND MIRO OR AIKO COLOUR MONITOR

NO. BUTTONS	1148/62	1148/63	1148/64	1148/11	1148/12	1148/13	1148/14	114850	1145/52	1145/53	1145/54	1083/55	1038/17	KIT 2VOICE 1783/322	MIRO 1750/1	KIT 2VOICE 1783/432	AIKO 1716/2
2														1		1	
3		1		1						1		1	1	1	1	1	1
4		1			1					1		1	1	1	2	1	2
6		1					1			1		1	1	1	4	1	4
8	1				1		1	1				1	1	1	6	1	6
9	1					1	1	1				2	1	1	7	1	7
10	1						2	1				2	1	1	8	1	8
12		2			1		2	1		2		2	1	1	10	1	10
14		2					3	1		2		3	1	1	12	1	12
15		2		1			3			2		3	1	1	13	1	13
16		2			1		3			2		3	1	1	14	1	14
18		2					4			2		4	1	1	16	1	16
20			2		1		4	1			2	4	2	1	18	1	18
21			2			1	4	1			2	5	2	1	19	1	19
22			2				5	1			2	5	2	1	20	1	20
24			2		1		5				2	5	2	1	22	1	22
27		3		1			6			3		6	2	1	25	1	25
28		3			1		6			3		6	2	1	26	1	26
30		3					7			3		7	2	1	28	1	28

2VOICE SYSTEM

4-USER DISTRIBUTOR

power supply

Column interface

2 video door units

2VOICE VIDEO DOOR PHONE DIAGRAM
1 video door phone column
with 2 video door units

2VOICE VIDEO SYSTEM WITH SINTHESI S2 PANEL AND MIRO OR AIKO COLOUR MONITOR

NO. BUTTONS	1148/62	1148/63	1148/64	1148/11	1148/12	1148/13	1148/14	1148/50	1145/52	1145/53	1145/54	1083/77	1083/50	1083/55	1038/17	KIT 2 VOICE 1783/322	MIRO 1750/1	KIT 2 VOICE 1783/432	AIKO 1716/2
2	1							1				1	1	0		1		1	
3		2		2					2			1	1	1	2	1	1	1	1
4		2			2				2			1	1	1	2	1	2	1	2
6		2					2		2			1	1	1	2	1	4	1	4
8	2				2		2		2			1	1	1	2	1	6	1	6
9	2					2	2		2			1	1	2	2	1	7	1	7
10	2						4		2			1	1	2	2	1	8	1	8
12		4			2		4	1		4		1	1	2	2	1	10	1	10
14		4					6	1		4		1	1	3	2	1	12	1	12
15		4		2			6			4		1	1	3	2	1	13	1	13
16		4			2		6			4		1	1	3	2	1	14	1	14
18		4					8			4		1	1	4	2	1	16	1	16
20			4		2		8	1			4	1	1	4	4	1	18	1	18
21			4			2	8	1			4	1	1	5	4	1	19	1	19
22			4				10	1			4	1	1	5	4	1	20	1	20
24			4		2		10				4	1	1	5	4	1	22	1	22
27		6		2			12			6		1	1	6	4	1	25	1	25
28		6			2		12			6		1	1	6	4	1	26	1	26
30		6					14			6		1	1	7	4	1	28	1	28

urmet

2VOICE SYSTEM

4-USER DISTRIBUTOR

Column interface

power supply

SECONDARY AUDIO OUTDOOR STATION

power supply

2VOICE VIDEO DOOR PHONE DIAGRAM
1 main video door unit
on N columns with 1 secondary
audio unit on each one

MAIN VIDEO DOOR UNIT

4-USER DISTRIBUTOR

Column interface

power supply

SECONDARY AUDIO OUTDOOR STATION

to the following risers

2VOICE SYSTEM

MAIN VIDEO OUTDOOR STATION WITH BUTTONS

NO. BUTTONS	1083/77	1083/20A	1148/62	1148/63	1148/64	1148/11	11043/12	1148/13	1148/14	1148/50	1145/52	1145/53	1145/54	1083/17
4	1	1		1			1				1			1
6	1	1		1					1		1			1
8	1	1	2				1		1			2		1
9	1	1	2					1	1			2		1
10	1	1	2						2			2		1
12	1	1		2			1		2	1		2		1
14	1	1		2					3	1		2		1
15	1	1		2		1			3			2		1
16	1	1		2			1		3			2		1
18	1	1		2					4			2		1
20	1	1			2				4	1			2	2
21	1	1			2			1	4	1			2	2
22	1	1			2				5	1			2	2
24	1	1			2		1		5				2	2
27	1	1		3		1			6			3		2
28	1	1		3			1		6			3		2
30	1	1		3					7			3		2

SINTHESI VIDEO PUSHBUTTON PANEL: MAIN VIDEO DOOR UNIT WITH DIGITAL KEYPAD

1083/19	1748/40	1148/63	1145/53	1083/20A
1	1	1	1	1

COMPOSITION OF EACH SECONDARY COLUMN
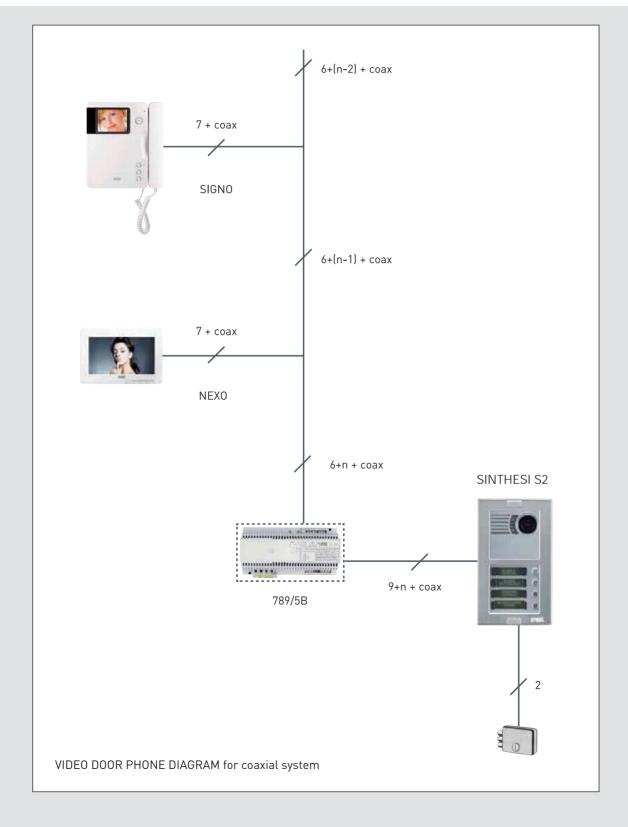
NO. BUTTONS	1083/9	1148/62	1148/63	1148/64	1148/11	1148/12	1148/13	1148/14	1148/50	1145/52	1145/53	1145/54	1083/17	1083/20A	1083/50	1083/55	MIRO 1750/1	AIKO 1716/2	MODO 1717/12
2	1	1								1			1	1	1	1	2	2	2
3	1		1		1						1		1	1	1	1	3	3	3
4	1		1			1					1		1	1	1	1	4	4	4
6	1		1				1	1			1		1	1	1	2	6	6	6
8	1	2				1		1			2		1	1	1	2	8	8	8
9	1			1			1	1				1	1	1	1	3	9	9	9
10	1			1				2				1	1	1	1	3	10	10	10
12	1		2			1		2	1		2		1	1	1	3	12	12	12
14	1		2					3	1		2		1	1	1	4	14	14	14
15	1		2		1			3			2		1	1	1	4	15	15	15
16	1		2			1		3			2		1	1	1	4	16	16	16
18	1		2					4			2		1	1	1	5	18	18	18
20	1			2				4	1			2	1	1	1	5	20	20	20
21	1			2			1	4	1			2	1	1	1	6	21	21	21
22	1			2				5	1			2	1	1	1	6	22	22	22
24	1			2		1		5				2	1	1	1	6	24	24	24
27	1		3		1			6			3		1	1	1	7	27	27	27
28	1		3			1		6			3		1	1	1	7	28	28	28
30	1		3					7			3		1	1	1	8	30	30	30

2VOICE SYSTEM

4-USER DISTRIBUTOR

Column interface

power supply

SECONDARY VIDEO ENTRY PANEL

power supply

MAIN VIDEO ENTRY PANEL

4-USER DISTRIBUTOR

column riser interface

power supply

SECONDARY VIDEO ENTRY PANEL

to the following risers

2VOICE SYSTEM

SINTHESI S2: MAIN VIDEO ENTRY PANEL WITH DIGITAL KEYPAD

1083/19	1748/40	1148/63	1145/53	1083/20A
1	1	1	1	1

MAIN VIDEO ENTRY PANEL WITH BUTTONS

NO. BUTTONS	1083/77	1183/20A	1148/62	1148/63	1148/64	1148/11	1148/12	1148/13	1148/14	1148/50	1145/52	1145/53	1145/54	1083/17
4	1	1		1			1						1	1
6	1	1		1					1				1	1
8	1	1	2				1		1		2			1
9	1	1	2	2				1	1		2			1
10	1	1	2						2		2			1
12	1	1		2			1		2	1		2		1
14	1	1		2					3	1		2		1
15	1	1		2		1			3			2		1
16	1	1		2			1		3			2		1
18	1	1		2					4			2		1
20	1	1			2	1			4	1			2	2
21	1	1			2		1		4	1			2	2
22	1	1			2				5	1			2	2
24	1	1			2		1		5				2	2
27	1	1		3		1			6			3		2
28	1	1		3			1		6			3		2
30	1	1		3					7			3		2

COMPOSITION OF EACH SECONDARY COLUMN

NO. BUTTONS	1148/62	1148/63	1148/64	1148/11	1148/12	1148/13	1148/14	1148/50	1145/52	1145/53	1145/54	1083/55	1083/17	1083/50	KIT 2 VOICE 1783/322	MIRO 1750/1	KIT 2 VOICE 1783/432	AIKO 1716/2
2												0	1	1	1		1	
3		1		1							1	1	1	1	1	1	1	1
4		1			1						1	1	1	1	1	2	1	2
6		1					1				1	1	1	1	1	4	1	4
8	1				1		1	1				2	1	1	1	6	1	6
9	1	1				1	1	1				2	1	1	1	7	1	7
10	1						2	1				2	1	1	1	8	1	8
12		2			1		2				2	3	1	1	1	10	1	10
14		2					3	1			2	3	1	1	1	12	1	12
15		2				1	3				2	4	1	1	1	13	1	13
16		2			1		3				2	4	1	1	1	14	1	14
18		2					4				2	4	1	1	1	16	1	16
20			2		1		4	1			2	5	2	1	1	18	1	18
21			2			1	4	1			2	5	2	1	1	19	1	19
22			2				5	1			2	5	2	1	1	20	1	20
24			2				5				2	6	2	1	1	22	1	22
27		3		1			6				3	7	2	1	1	25	1	25
28		3				1	6				3	7	2	1	1	26	1	26
30		3					7				3	7	2	1	1	28	1	28

urmet

COAX VIDEO DOOR PHONES

6+(n-2) + coax

7 + coax

SIGNO

6+(n-1) + coax

7 + coax

NEXO

6+n + coax

SINTHESI S2

789/5B

9+n + coax

2

VIDEO DOOR PHONE DIAGRAM for coaxial system

COAX VIDEO DOOR PHONES

▲ SINTHESI S2 PUSHBUTTON PANEL: WITH COLOUR CAMERA, FROM 1 TO 20 BUTTONS
(SIGNO COLOUR, NEXO)

NO. BUTTONS			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIGNO COLOR	1740/90		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1740/40		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NEXO	1708/1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
FRAMES AND MODULE HOLDERS	1148/64		-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
	1148/63		-	-	-	-	-	1	1	1	1	-	-	-	-	2	2	2	2	2	2	2
	1148/62		-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODULES WITH BUTTONS AND REPERTORY MODULE	1148/59		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1148/50		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-
	1148/14		-	-	-	-	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	4
	1148/13		-	-	-	1	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	1
	1148/12		-	-	1	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1	-
	1148/11		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EMBEDDING BOXES	1145/54		-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
	1145/53		-	-	-	-	-	1	1	1	1	-	-	-	-	2	2	2	2	2	2	2
	1145/52		-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1145/51		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SYSTEM BASE KIT	1748/770		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

▲ Colour

COAX VIDEO DOOR PHONES

▲ SINTHESI STEEL PUSHBUTTON PANEL: WITH COLOUR CAMERA FROM 1 TO 20 BUTTONS
(SIGNO, NEXO)

NO. BUTTONS			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER SUPPLY	789/5b		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SIGNO COLOURS	1740/90		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1740/40		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NEXO	1708/1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
P.E.	1145/500		-	1	-	-	-	1	-	-	-	1	-	-	-	1	1	1	-	1	-	-
MODULE FOR P.E.	1158/22		-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	1	-	1	-	-
	1158/20		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
TLC MODULE WITH P.E.	1758/41		1	-	1	1	1	-	1	1	1	-	1	1	1	-	-	-	1	-	1	1
TLC MODULE	1758/40		-	1	-	-	-	1	-	-	-	1	-	-	-	1	1	1	-	1	-	-
FRAMES AND MODULE HOLDERS	1158/64		-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-
	1158/63		-	-	-	-	-	1	1	1	1	-	-	-	-	2	2	2	2	2	2	2
	1158/62		-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1158/61		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODULES WITH BUTTONS AND REPERTORY MODULE	1158/59		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1158/50		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-
	1158/14		-	-	-	-	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	4
	1158/13		-	-	-	1	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-	1
	1158/12		-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-
	1158/11		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EMBEDDING BOXES	1145/54		-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
	1145/53		-	-	-	-	-	1	1	1	1	-	-	-	-	2	2	2	2	2	2	2
	1145/52		-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1145/51		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

▲ Colour

5 WIRES VIDEO DOOR PHONES
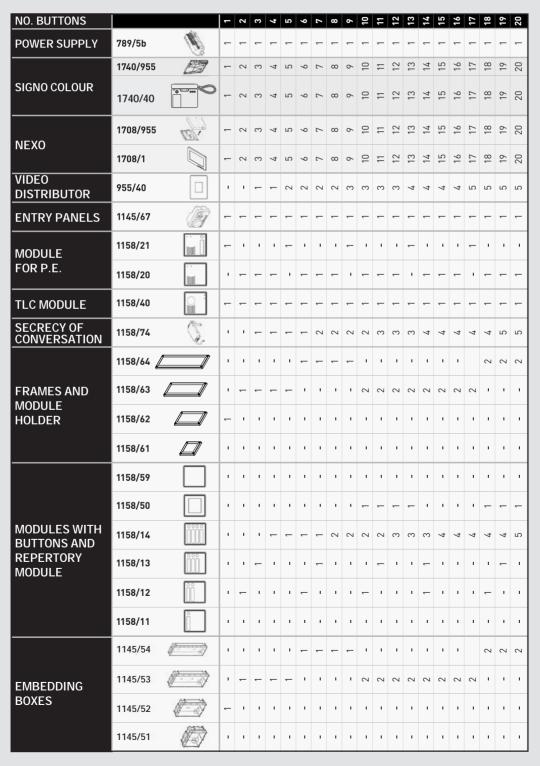
SIGNO

4+(n-4)

5

4+(n-2)

NEXO

5

4+(n)

VIDEO POWER
SUPPLY

SINTHESI S2

ELECTRIC
LOCK

8+(n)

2

VIDEO DOOR PHONE DIAGRAM for 5 wire system

urmet

5 WIRES VIDEO DOOR PHONES

SINTHESI S2 PUSHBUTTON PANEL: WITH COLOUR CAMERA FROM 1 TO 20 BUTTONS
(SIGNO, NEXO)

NO. BUTTONS			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIGNO	1740/955		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1740/40		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NEXO	1708/955		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1708/1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VIDEO DISTRIBUTOR	955/40		-	-	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	4	5	5
LOUNDSPEAKING UNIT	1158/74		-	-	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	4	5	5
FRAMES AND MODULE HOLDERS	1148/64		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	1148/63		-	-	1	1	1	1	-	-	-	-	2	2	2	2	2	2	2	2	-	-
	1148/62		1	1	-	-	-	-	2	2	2	2	-	-	-	-	-	-	-	-	-	-
MODULES WITH BUTTONS AND REPERTORY MODULE	1148/59		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1148/50		-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	1	1
	1148/14		-	-	-	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
	1148/13		-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-
	1148/12		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1148/11		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EMBEDDING BOXES	1145/54		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	1145/53		-	-	1	1	1	1	-	-	-	-	2	2	2	2	2	2	2	2	-	-
	1145/52		1	1	-	-	-	-	2	2	2	2	-	-	-	-	-	-	-	-	-	-
SYSTEM BASE KIT	1748/795		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

5 WIRES VIDEO DOOR PHONES

▲ SINTHESI STEEL PUSHBUTTON PANEL: WITH COLOUR CAMERA FROM 1 TO 20 BUTTONS
(SIGNO, NEXO)

NO. BUTTONS			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER SUPPLY	789/5b		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SIGNO COLOUR	1740/955		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1740/40		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NEXO	1708/955		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1708/1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VIDEO DISTRIBUTOR	955/40		-	-	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
ENTRY PANELS	1145/67		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MODULE FOR P.E.	1158/21		1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-
	1158/20		-	1	1	1	-	1	1	1	-	1	1	1	-	1	1	1	-	1	1	1
TLC MODULE	1158/40		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SECRECY OF CONVERSATION	1158/74		-	-	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	4	5	5
FRAMES AND MODULE HOLDER	1158/64		-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-	2	2	2
	1158/63		-	1	1	1	1	-	-	-	-	2	2	2	2	2	2	2	2	-	-	-
	1158/62		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1158/61		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODULES WITH BUTTONS AND REPERTORY MODULE	1158/59		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1158/50		-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	1	1	1
	1158/14		-	-	-	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	4	5
	1158/13		-	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-
	1158/12		-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-
	1158/11		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EMBEDDING BOXES	1145/54		-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-	2	2	2
	1145/53		-	1	1	1	1	-	-	-	-	2	2	2	2	2	2	2	2	-	-	-
	1145/52		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1145/51		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

▲ Colour

urmet

309

4+N DOOR PHONES

4+(n-2)

5

MIRO

4+(n-1)

5

ATLANTICO

4+n

SINTHESI S2

9+n

786/11

2

ELECTRONIC DOOR PHONE DIAGRAM for 4+n wire system

4+N DOOR PHONES

SINTHESI S2 PUSHBUTTON PANEL: FROM 1 TO 20 BUTTONS
((ATLANTICO DOOR PHONE, MIRO)

NO. BUTTONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ATLANTICO DOOR PHONE	1133/1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MIRO	1150/1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER SUPPLY	786/11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FRAMES AND MODULE HOLDER	1148/64	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
	1148/63	-	-	-	-	-	-	-	1	1	-	-	-	-	1	2	2	2	2	2	2
	1148/62	-	-	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	1148/61	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODULES WITH BUTTONS AND REPERTORY MODULE	1148/59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1148/50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-
	1148/14	-	-	-	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
	1148/13	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-
	1148/12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1158/11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUDSPEAKING UNIT	1145/500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MODULES ARRANGED FOR LOUDSPEAKING UNIT	1148/22	-	1	-	-	-	1	-	-	-	-	1	-	-	-	1	-	-	-	1	-
	1148/21	1	-	-	-	1	-	-	-	-	-	1	-	-	1	-	-	1	-	-	-
	1148/20	-	-	1	1	-	1	-	-	-	-	1	-	-	1	-	-	-	1	1	-
EMBEDDING BOXES	1145/54	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
	1145/53	-	-	-	-	-	-	-	1	1	1	-	-	-	1	2	2	2	2	2	2
	1145/52	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1145/51	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

4+N DOOR PHONES

SINTHESI STEEL PUSHBUTTON PANEL: FROM 1 TO 20 BUTTONS
((ATLANTICO DOOR PHONE, MIRO)

NO. BUTTONS			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ATLANTICO DOOR PHONE	1133/1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MIRO	1150/1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER SUPPLY	786/11		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FRAMES AND MODULE HOLDER	1158/64		–	–	–	–	–	–	–	–	–	1	1	1	1	–	–	–	–	–	–	–
	1158/63		–	–	–	–	–	1	1	1	–	–	–	–	–	2	2	2	2	2	2	2
	1158/62		–	1	1	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	1158/61		1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MODULES WITH BUTTONS AND REPERTORY MODULE	1158/59		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	1158/50		–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	1	1	–	–	–
	1158/14		–	–	–	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
	1158/13		–	–	1	–	–	–	–	1	–	–	1	–	–	1	–	–	–	1	–	–
	1158/12		–	1	–	–	–	1	–	–	–	1	–	–	–	1	–	–	–	1	–	–
	1158/11		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOUDSPEAKING UNIT	1145/500		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MODULES ARRANGED FOR LOUDSPEAKING UNIT	1158/22		–	1	–	–	–	1	–	–	–	1	–	–	–	1	–	–	–	1	–	–
	1158/21		1	–	–	–	1	–	–	–	–	1	–	–	–	1	–	–	–	1	–	–
	1158/20		–	–	1	1	–	–	–	–	–	1	1	–	–	–	1	1	–	–	1	1
EMBEDDING BOXES	1145/54		–	–	–	–	–	–	–	–	–	1	1	1	1	–	–	–	–	–	–	–
	1145/53		–	–	–	–	–	1	1	1	–	–	–	–	–	2	2	2	2	2	2	2
	1145/52		–	–	1	1	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	1145/51		1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

1+n DOOR PHONES

MIRO

ATLANTICO

TRANSFORMER 12 V

ENTRY PANEL

ELECTRIC LOCK

2

2

2

2

1+(n-1)

1+n

ELECTRONIC DOOR PHONE DIAGRAM for 1+n wire system

urmet

1+n DOOR PHONE

SINTHESI S2 PUSHBUTTON PANEL: FROM 1 TO 20 BUTTONS
(ATLANTICO DOOR PHONE, MIRO)

NO. BUTTONS			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ATLANTICO DOOR PHONE	1133/35A		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MIRO	1150/35		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER SUPPLY	9000/230		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FRAMES AND MODULE HOLDER	1148/64		-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
	1148/63		-	-	-	-	-	1	1	1	1	-	-	-	-	2	2	2	2	2	2	2
	1148/62		-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1148/61		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODULES WITH BUTTONS AND REPERTORY MODULE	1148/59		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1148/50		-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-
	1148/14		-	-	-	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
	1148/13		-	-	1	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-	1	-
	1148/12		-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-
	1148/11		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SECRECY OF CONVERSATION	1158/74		-	-	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
LOUDSPEAKING UNIT	1145/67		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MODULES ARRANGED FOR LOUDSPEAKING UNIT	1148/22		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1148/21		1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-
	1148/20		-	1	1	1	-	1	1	1	-	1	1	1	-	1	1	1	-	1	1	1
EMBEDDING BOXES	1145/54		-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
	1145/53		-	-	-	-	-	1	1	1	1	-	-	-	-	2	2	2	2	2	2	2
	1145/52		-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1145/51		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1+n DOOR PHONE

SINTHESI STEEL PUSHBUTTON PANEL: FROM 1 TO 20 BUTTONS
(ATLANTICO DOOR PHONE, MIRO)

NO. BUTTONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ATLANTICO DOOR PHONE	1133/35A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MIRO	1150/35	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER SUPPLY	9000/230	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FRAMES AND MODULE HOLDER	1158/64	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
	1158/63	-	-	-	-	-	1	1	1	-	-	-	-	-	2	2	2	2	2	2	2
	1158/62	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1158/61	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODULES WITH BUTTONS AND REPERTORY MODULE	1158/59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1158/50	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-
	1158/14	-	-	-	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
	1158/13	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-
	1158/12	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-
	1158/11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SECRECY OF CONVERSATION	1158/74	-	-	1	1	1	1	2	2	2	3	3	3	3	4	4	4	4	5	5	5
LOUDSPEAKING UNIT	1145/67	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MODULES ARRANGED FOR LOUDSPEAKING UNIT	1158/22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1158/21	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-
	1158/20	-	1	1	1	-	1	1	1	-	1	1	-	1	1	-	1	1	-	1	1
EMBEDDING BOXES	1145/54	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
	1145/53	-	-	-	-	-	1	1	1	1	-	-	-	-	2	2	2	2	2	2	2
	1145/52	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1145/51	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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