



---

Model : GD5324/2.9 ☐

GD5324/4 ☐

## **High Resolution Impact Resistant Colour Eyeball Dome Camera**

**Instruction Guide**

---



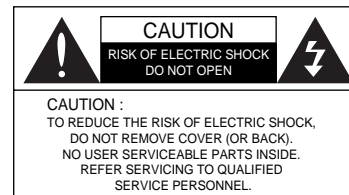
**GENIE CCTV LTD.**

CCTV House, City Park, Watchmead, Welwyn Garden City Herfordshire AL7 1LT

Tel : +44 (0) 1707 330541 | Fax : +44 (0) 1707 330543

**[www.geniecctv.com](http://www.geniecctv.com)**





The lightning flash with an arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**INFORMATION** - This equipment has been tested and found to comply with limits for a Class A digital device, pursuant to part 15 of the FCC Rules & CE Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**WARNING** - Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

**CAUTION** : To prevent electric shock and risk of fire hazards:  
◆ Do NOT use power sources other than those specified.

This installation should be made by a qualified service person and should conform to all local codes.

## ■ Contents

|                                     |    |
|-------------------------------------|----|
| <b>Features</b>                     | 3  |
| <b>Warnings</b>                     | 4  |
| <b>Precautions</b>                  | 5  |
| <b>Components</b>                   | 7  |
| <b>Names and Functions of Parts</b> | 8  |
| <b>Dimensions</b>                   | 9  |
| <b>Cable Connection</b>             | 9  |
| <b>Installation</b>                 | 10 |
| <b>Troubleshooting</b>              | 12 |
| <b>Specifications</b>               | 14 |
| <b>Warranty &amp; Warranty Card</b> | 15 |

## Warranty ■

1. Products are supplied with 3 year limited warranty from the date of purchase. We will repair or replace the defective item with a new or factory rebuilt replacement.
2. Transportation of the product to our service center is the responsibility of the user. Repaired or replaced product will be returned prepaid during the warranty period.
3. This warranty applies to the original purchaser only.
4. This warranty will be invalid if unauthorized repair or modification are made to the unit or in any case of accident, misuse or damage caused by improper installation or altered serial numbers.
5. The liability of the company has limited the cost of repair/replacement of the unit under warranty.
6. If you need warranty service, please return the product to your distributor/dealer. Proof of purchase may be required.

## Warranty Card ■

|   |       |    |                |        |
|---|-------|----|----------------|--------|
| PRODUCT NAME  |       |    | WARRANTY YEARS |        |
| MODEL NAME  |       |    |                |        |
| DATE OF PURCHASE  | /DAY  | /M | /Y             | 3YEARS |
| WARRANTY DATE   |       |    |                |        |
| ADDRESS OF CUSTOMER   | NAME  |    |                |        |
|   | TEL   |    |                |        |
| CONTACT   | NAME  |    |                |        |
|   | AGENT |    |                |        |
|   | TEL   |    |                |        |
| <p>- Please read the instruction manual again before asking for the A/S</p> <p>- Please explain exactly what the problem you have is,</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> |       |    |                |        |

## ■ Specifications

| ITEM                 | PAL                                    |
|----------------------|--|
| Image Pick-up Device | 1/3" Sony Super HAD CCD                |
| Total Pixels         | 811(H) * 508(V) 795(H) * 596(V)        |
| Effective Pixels     | 768(H) * 494(V) 752(H) * 582(V)        |
| Scanning System      | 2:1 interlaced 625 lines               |
| Scanning Frequency   | 15,625KHz (H) / 50Hz                   |
| Shutter Speed        | 1/50~1/100,000                         |
| Sync System          | Internal                               |
| Resolution           | More than 520 TV Lines                 |
| Video Output         | VBS 1.0V p-p Composite (75Ω)           |
| White Balance        | ATW                                    |
| S/N Ratio            | More than 48dB                         |
| Minimum Illumination | 0 Lux for Infrared Lighting Conditions |
| LED Quantity         | 24PCS                                  |
| Lens                 | Fixed Board Lens (Option)              |
| Operating Temp       | -10℃ to 50℃                            |
| Power Consumption    | DC 12V/80mA (CDS ON : 370mA Max)       |
| IP Rating            | IP66                                   |
| Dimensions           | 93(W)mm x 80(D)mm                      |
| Weight               | Appx. 540g                             |

## Features ■

### Horizontal Resolution of 520 TV Lines

Clear image quality has been achieved by employing a SONY CCD with 410,000 (effective) pixels, which provides a horizontal resolution of 520 TV lines

### High Sensitivity

The built-in high sensitivity SONY COLOUR CCD enables a clear image even at 0.3Lux (0Lux B/W)

### Electronics IRIS

The electronic IRIS function enables continuous automatic control of the shutter between 1/50~1/100,000 seconds.

### Weather Proof (IP66)

### 3 Axis built-in Vandal Resistant Dome Housing

## ■ Warnings

### **The camera requires periodic inspection.**

Contact an authorised technician to carry out the inspection.

### **Stop using your camera when you find it malfunctioning.**

If the camera emits smoke or is unusually hot for a long period, a fire may be caused.

### **Do not install the camera on a surface that can not support it.**

If the camera is installed on an inappropriate surface, it may fall and cause injury.

### **Do not hold plug with wet hands.**

It could cause an electric shock.

### **Do not dis-assemble the camera.**

It may result in an electric shock or other hazards.

### **Do not use the camera close to a gas or oil leak.**

It may result in a fire or other hazards.

## Troubleshooting ■

| Problems                  | Troubleshooting  |
|---------------------------|--|
| The screen is flickering. | · Check if the camera is facing directly into sunlight or fluorescent light. |

## ■ Troubleshooting

If there are problems with the camera operation, check the tables below. If the problem persists, please contact the agent who supplied the product.

| Problems   | Troubleshooting  |
|--|--|
| <b>Nothing appears on the screen.</b>  | <ul style="list-style-type: none"> <li>· Check the power connections.</li> <li>· Check the video signal line connection.</li> </ul>  |
| <b>The video image is not clear.</b>   | <ul style="list-style-type: none"> <li>· Make sure that the lens is clean. Clean the lens with a clean lint free cloth or brush.</li> <li>· Adjust the contrast control on the monitor.</li> <li>· Make sure that the screen is not exposed directly to a bright light.</li> <li>· Re-position the camera if necessary.</li> </ul> |
| <b>The screen is dark.</b>   | <ul style="list-style-type: none"> <li>· Adjust the contrast control of the monitor.</li> <li>· If there is an intermediate device, set the 75ohm Hi-z correctly, and also check the connections.</li> <li>· If necessary, adjust the brightness level.</li> </ul>   |
| <b>There is a problem with the camera operation. The camera surface is too hot and black stripes appear on the screen.</b> | <ul style="list-style-type: none"> <li>· Check if an appropriate power source to the camera complies with the manufacture's standard requirement, or if the voltage is fluctuating. Check for ground loops.</li> </ul>   |

## Precautions ■

**Do not install the camera in extreme temperature conditions.**



Only use the camera under conditions where temperatures are between -10℃ and +50℃. Be especially careful to provide ventilation when operating under high temperatures.

**Do not install or use the camera in an environment where the humidity is high.**



It can cause the image quality to be poor.

**Do not install the camera under unstable lighting conditions.**



Severe lighting change or flicker can cause the camera to work improperly.

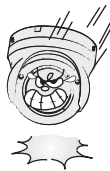
**Do not touch the front lens of the camera.**



This is one of the most important parts of the camera. Be careful not to leave fingerprints on the lens cover.

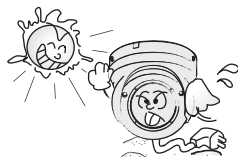
## ■ Precautions

**Do not drop the camera and protect it from physical shocks.**



It can cause malfunctions to occur.

**Never keep the camera pointed directly at strong light.**



It can damage the CCD.

**Do not expose the camera to radioactivity.**

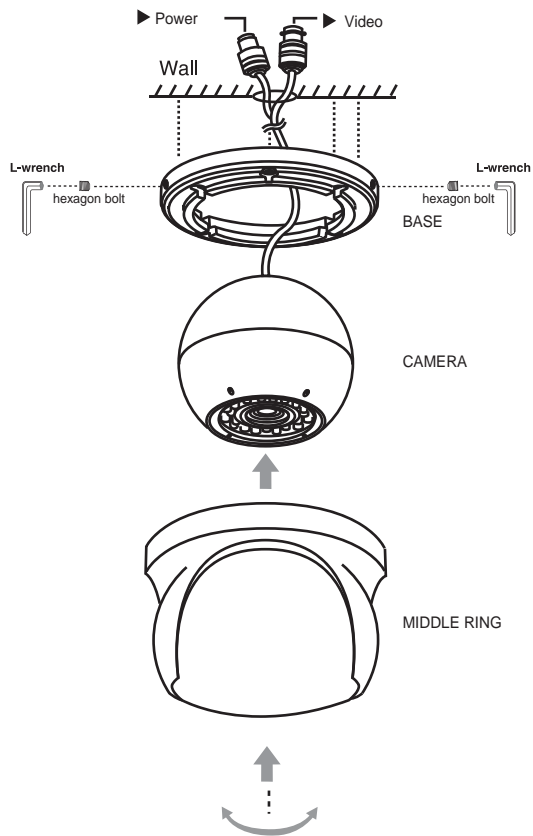


If exposed to radioactivity the CCD will fail.

## Installation ■

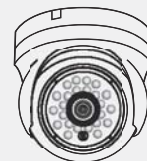
1. Fix the base of the housing to a suitable sturdy surface using the supplied screws.
2. Adjust to the approximate angle of view by turning and moving the eyeball camera and fix into position using the Middle Ring.
3. Lock the Middle Ring using the hexagonal bolts.

## ■ Installation



## Components ■

### 1. COLOUR DOME CAMERA



### 2. SCREWS FOR FIXING



### 3. L-WRENCH

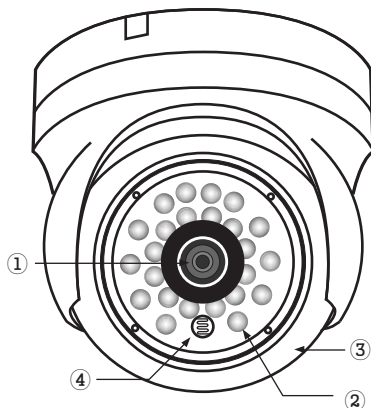


### 4. HEXAGON BOLT





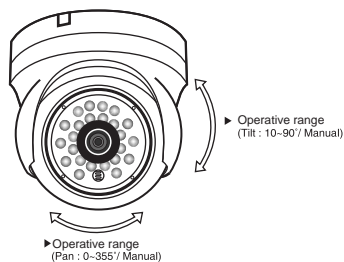
## Names and Functions of Parts



① Lens : Board Lens

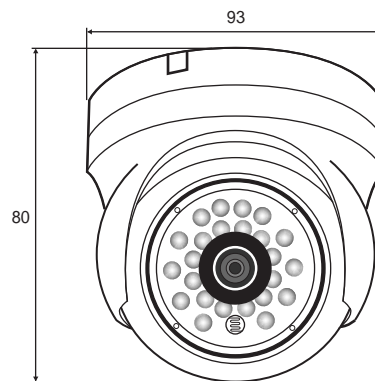
② Infrared LED : 24PCS

③ Camera



④ CDS Sensor

## Dimensions



[ Unit : mm ]

## Cable Connections

