

## Technical Specification

Model Number	UMD300B	UMD300W
Image Sensor	1/3" Colour CCD	
Total Pixels	PAL : 795 (H) x 596 (V)	
Effective Pixels	PAL : 752 (H) x 582 (V)	
Lens	3.6mm	
Scanning System	2:1 Interlaced	
Scanning Frequency	PAL : H:15.625 Hz / V:50 Hz	
S/N Ratio	More than 50dB	
Horizontal Resolution	620TV Lines	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
Minimum Illumination	0.05Lux (50IRE@F1.2)	
Electronic Shutter Speed	Auto PAL: 1/50sec ~ 1/100,000sec	
AGC	Middle	
White Balance	ATW (Auto Tracking White Balance)	
Digital Noise Reduction	On	
Day & Night	Colour Only	
Supplied Voltage	DC12V ±10%	
Power Consumption	Max. 1.0W [80mA]	
Weight	93g	



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## MODEL: UMD300 Series

High Resolution Internal Dome Cameras

User Manual

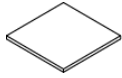
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Please read these instructions carefully before operating this unit, and retain this manual for future reference



Camera



Manual



Installation  
Screws



Gift Box

## Precautions

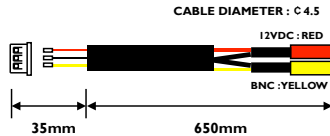
- Do not install the camera in extreme temperature conditions. Only use the camera under conditions where temperatures are within  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$ . Be especially careful about ventilation in high temperatures.
- Do not drop the camera or subject it to physical shocks. This can cause malfunctions to occur.
- Do not install the camera under unstable lighting conditions. Severe lighting change or flicker can cause the camera to work improperly.
- Do not disassemble the camera. There are no user serviceable parts inside it.
- Do not expose the camera to rain or moisture. If it gets wet, wipe it dry immediately. Liquids can contain minerals that corrode electrical parts.

## Features

- 1/3" Colour CCD
- Internal Micro Dome Camera
- $\varnothing 57\text{mm}$  Dome Cover
- 620TVL - High Resolution
- 3.6mm Lens
- Min Illumination 0.03Lux
- Digital Noise Reduction (DNR)
- DC12V Only
- Black or White Housing Options

## Power and Video Connection

PIN PITCH: 1.25mm  
HOUSING: 51021-03  
MOLEX



## Troubleshooting

Problem	What To Do?
No video on the monitor screen	<ul style="list-style-type: none"> <li>• Check camera and monitor power.</li> <li>• Check the power polarity.</li> <li>• Check the video cable connection.</li> </ul>
Colour rolling	<ul style="list-style-type: none"> <li>• This can occur if the camera is exposed to a strong light source</li> <li>• If there is a strong light present, change the position of the camera.</li> </ul>
The On-Screen image is dim	<ul style="list-style-type: none"> <li>• Check if the lens/bubble is dirty. If it is, clean with a soft line free cloth.</li> <li>• Check the monitor contrast and brightness.</li> </ul>
Black bars roll up or down the screen, or there is video noise	<ul style="list-style-type: none"> <li>• Make sure the power adapter is at least 500mA</li> <li>• Make sure there are no ground loops</li> <li>• Noise could be caused by a poor connection</li> </ul>

## Dimensions

