

This **NEW** exciting *Architect's Range* mini external dome style day/night I.R camera with fixed board lens, is ideal for a number of applications. It's neat appearance suits both internal and external installation .



### Special Features

- ✓ Dome Style camera
- ✓ Special 3-D bracket for wall or ceiling mounting
- ✓ 24 Infra-Red LEDs
- ✓ Day/Night camera
- ✓ Good picture quality
- ✓ Anti-Vandal and attractive design

The CAM050 is an attractive internal/external low cost dome style camera with a cleverly engineered three dimensional bracket that allows mounting on walls, ceilings or outdoor structures not possible with two dimensional domes. This day/night dome camera has infra-red leds and switches to black and white mode for better night vision. The dome is anti-vandal resistant and can be used externally without the need for additional enclosures or brackets to protect it.

### Installation Instructions

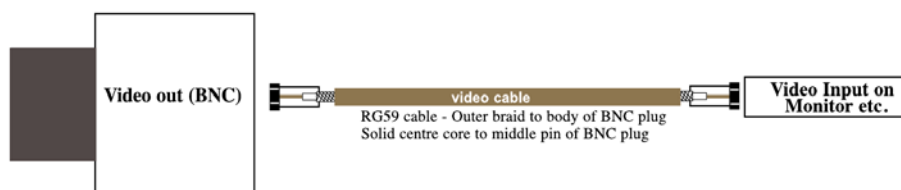
#### Connecting dome to 12v DC power

The camera is provided with a 2.1mm Mini Jack plug on a fly lead that allows you to connect the power supply to it. When powering these dome cameras with a 12V DC power supply, ensure that the supply is regulated. It is recommended to use a power supply that is rated higher than the current consumption of the camera i.e. allows 25% - 30% minimum headroom, so for these cameras a minimum requirement would be a continuous rating of 400mA or higher per camera. This prevents the PSU from running at its maximum rating for long periods of time. A POW800 or higher is recommended.

#### Connecting the camera to video control equipment.

The dome camera comes with a fly lead for power and video out. To reduce installation time, the video out lead is terminated into a male BNC connector. This allows the installer to effortlessly connect the camera to control equipment via a female BNC-BNC lead.

Remember that the Video out from the camera is like any other electrical circuit and requires two wires to complete the circuit. When using a co-ax type cable such as RG59 or similar, the outer braid of the co-ax provides the "0V GROUND" connection and the inner core provides the "Video" connection.



It is recommended that when you are first setting up the cameras that you use a short BNC-BNC cable to link the camera directly to a test monitor. This allows you to both understand the camera and get the very best out of this great product, as you will be able to adjust the camera whilst looking at the monitor screen. Obviously whilst you are setting up the camera, it does need to be powered!

### Securing the dome

- 1) Remove camera base and screw to wall or ceiling.
- 2) Position the body to align with securing holes in base.
- 3) Adjust the camera angle and secure the body to the base by tightening the lock screws.
- 4) Connect a 12v DC regulated power supply (recommend a POW800) to jack socket.
- 6) Connect a BNC plug for video output.

Image Sensor	1/3" SONY Super HAD CCD
Horizontal Resolution	420 TV Lines
Effective Pixels	PAL 500(H) x 582(V)
Scanning system	PAL 625 lines 25 frames
Video Output	1.0V p-p Composite. 75 ohms
S/N Ratio	48dB (AGC Off)
Lens	3.6mm board lens
Minimum Illumination (IR LEDs off)	0.5 Lux colour / 0 lux with IRs on
Shutter Speed	PAL: 1/50 ~ 1/100,000 sec
White Balance	Auto
Power Source	12 volt DC
Operating Current	300mA (max. with IRs on)
Infra Red LEDs	24 x 850nm I.R LEDs - 8 metre range
Housing	Vandalresistant & weatherproof
Operating Temperature	-10°C ~ 50°C
Ball Type Fitting	Pan 360° rotation – Tilt 360° - Twist 360° (one circumference only)
Dimensions	9cm x 9cm x 7cm (N/D) 12.4cm x 12cm x 9.5cm (G/D)

### Special Note

When this unit is in use, avoid direct eye contact with the infrared lights.

The unit's glass front can heat up to 60°C when in use and care should be taken to ensure that this dome is fitted where it cannot be easily touched. It must also not be fitted in close proximity of any flammable materials.

Note that infrared light is polarised light and therefore acts rather like a torch beam with a narrow angle of illumination. Although this camera is fitted with a 4.3mm lens it may be necessary to provide additional infra red lighting. Do not use this camera in temperatures below -10° C or higher than +50° C or where humidity is greater than 90%.

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