

This external 3.8mm – 8mm varifocal I.R Ball camera in a silver finish has a futuristic design that will look impressive in any location. The unique 3-d axis allows easy installation and precision positioning and this camera is IP67 rated. The camera is fitted with 35 infrared illuminators and provides up to 15 metres of good directional low light surveillance through a special anti-reflection glass front.



CCT500	Technical Specifications
Image Sensor	1/3" Sony Super-Had CCD
Horizontal Resolution	450 TV Lines
Effective Pixels	PAL 500 x 582
Scanning system	PAL 625 lines – 2:1 interlaced
Video Output	1.0V p-p Composite. 75 ohms
S/N Ratio	More than 50dB
Lens	4 ~ 9mm vari-focal lens F:1.6
Minimum Illumination (IR LEDs off)	0.1 Lux at F1.6
Backlight Compensation	Automatic (On/Off)
Shutter Speed	PAL: 1/50 ~ 1/100,000 sec
I.R Anti Reflection	Dual anti-I.R reflection glass
Gamma Correction	r = 0.45 or more
White Balance	2100°K ~ 9200°K Auto (ATW-Auto Tracing White Balance)
Gain Control	4dB~32dB Auto (Max/Off)
Smear Effect	0.0005%
Power Source	12 volt DC
Operating Current	140mA LEDs OFF 1.1 Amp LEDs ON
Infra Red LEDs	35 x 850nm I.R LEDs - 15 metre range
Housing	Vandalproof , weatherproof (IP67) and tamperproof with inner bracket built-in
Operating Temperature	-20°C ~ 60°C
Ball Type Bracket	Maximum 360° Angle rotation - 180° Pan rotation - 90° Tilt
Weight (Kg)	1.21Kg

Installation Instructions

- 1) Carefully unscrew the outer fixing ring to dismantle dome releasing the ball collar, dome ball and dome base. Secure the dome base using three wood screws.
- 2) Connect video to BNC plug and 12v DC power to mini 2.1 power jack plug.
- 3) Adjust Auto Iris Controller by removing cap with coin.
- 4) Adjust Near/Far Zoom Controller and Tele/Wide viewing angle by turning adjusters.
- 5) Reassemble dome and lock the ball collar and outer fixing ring using the Allen grub screws supplied.
- 6) Ensure that you do not attempt to reposition the ball after fitting the Allen grub screws or you will damage the dome case.

External Infra-Red Varifocal Ball Camera



Rear View of Dome Ball



Remove Auto Iris Controller Cap using a coin and adjust control using a screwdriver.

T - Tele W - Wide angle view adjustment

N - Near F - Far zoom control adjustment

Special Note

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

The unit's outer case 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.

The front glass on the dome is a special anti- Infra-red Reflection glass and must be carefully cleaned with a soft dry cloth to avoid scratching.

Note that infrared light is polarised light and therefore acts rather like a torch beam with a narrow angle of illumination. If this dome is used with a wider angle setting then it may be necessary to purchase additional Infrared lighting.

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