

True Day/Night 550/600 TVL Long Range IR CCTV Camera with 60 Metres Night Vision & Auto Iris Varifocal Lens

(Model: XV649)



Professional Long Range IR Night Vision Camera with up to 60 metres night vision in complete darkness and a Super High Resolution CCD sensor. Fitted with an Xvision Pixel+ Auto Iris Varifocal Aspherical Lens for easy selection of any viewing angle between 23 and 92°. The camera is weatherproof and traditionally shaped with a cable managed bracket. It's traditional styling makes it an excellent deterrent to warn criminals that a building has a high quality CCTV system. It is designed for wall mounting is fully cable managed.



Camera - Front



Camera - Side



Camera - Rear



Camera - Connections



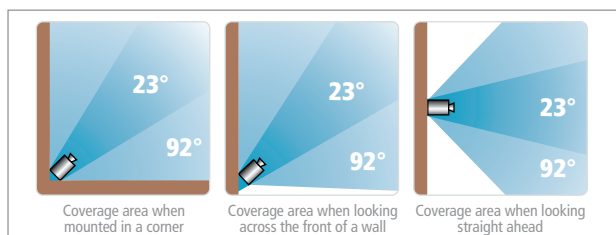
Packaging

Features

- Ideal for very high risk applications, the camera is built around a Sony 1/3" HQ1 Super HAD CCD image sensor which provides identification quality images.
- The camera features built in IR (Infra Red) LEDs, these allow the camera to see in low light or complete darkness up to 60 metres. The camera shows Colour images in good lighting conditions and then switches to B/W images in low light or complete darkness, when in this mode the camera can see the light produced by the IR LEDs and provide good quality images as if it was daylight, however to the human eye the light emitted from the IR LEDs remains invisible!
- The camera is able to produce 550/600 TVL images. These are equivalent to DVD quality and suitable for recording at 704x576 (4CIF) or 720x576 (D1) resolutions.



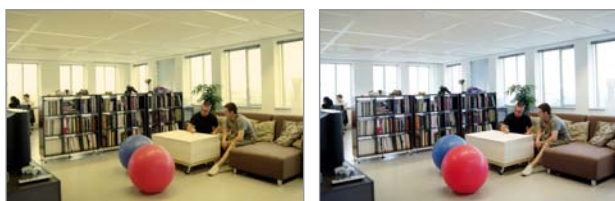
- The camera will operate in complete darkness (0 lux) up to a distance of 60 metres thanks to its built in IR LEDs, beyond 60 metres the camera will operate in any environment that has a light level above 0.05 lux. Examples of environments that have a light level above 0.05 lux are:
 - Dawn and Dusk
 - A Residential Road with Street Lighting
 - A Bar or Nightclub
- The camera is fitted with a 2.8 to 12.0mm auto iris varifocal aspherical lens. The camera has an adjustable horizontal viewing angle of 23 to 92° when used with this lens.



- The camera features an Xvision IXC1HQDNE DSP (Digital Signal Processing) chip which offers the following functions to increase the image sensors performance:
 - **Automatic Electronic Iris** - This feature automatically adjusts the brightness of the camera image to match the amount of available light.



- **Automatic White Balance** - This feature automatically adjusts the colour temperature of the camera image to match the type of light available, so that white and other colours appear as natural as possible.



- **Automatic Gain Control** - This feature automatically increases the video output level of the camera in low light conditions. This has the effect of making the picture brighter (however it may also add more noise to the picture, as it is amplifying all aspects of the video signal).



- **Low Smear** - This feature helps to balance out the camera image when some areas of it may be looking at very bright or reflective objects.



- **Edge Enhancement** - This feature sharpens the edges of objects and people in the camera image making the picture sharper and the resolution higher.



- **Zero Colour Rolling** - This feature stops the colours in the image from changing hue every few seconds (also known as hunting or colour rolling). This happens to all colour CCD cameras that do not have this feature when used in environments where 2 different light environments are visible, for example when viewing a room that is lit up by a light bulb and also by light coming in through a window. It can also occur when viewing rooms that have Fluorescent Tube Lights.



- **Mechanical IR Filter for True Day/Night** - Standard Day/Night cameras can suffer from slight focus shift when viewing in IR mode and whilst they can display colour accurately in daylight and white light such as fluorescent tube lights, they cannot display colours accurately in non-white lighting, such as sodium lamps, and off white lighting, similar to that found in pubs etc... Cameras with a mechanical IR filter can overcome both of these problems and also provide much better performance in low light and under IR than Standard Day/Night cameras, as well as sharper images, this is because the IR filter is automatically applied and removed to provide the best possible picture quality according to whether the camera is in day or night mode.




continued overleaf

Features

- The camera is traditionally shaped, this means it is a great deterrent to criminals, as it instantly makes them aware of the fact that a high quality CCTV system is in operation on the premises.
- The bracket supplied with the camera allows it to be wall mounted and also features cable management to protect the cable from tampering.
- The camera is supplied with a 2 Year Warranty (1 Year for LEDs).

Specifications

Model: XV649	
Image	
Type	
Style	True Day/Night Long Range IR Night Vision Varifocal Camera
Weather Resistant	Yes
Mounting Type	Wall
Dimensions (without bracket)	Width: 95mm, Height: 85mm, Depth: 150mm
Shipping Weight	1.34 Kg
Warranty	2 Years (1 Year for LEDs)
Image Sensor/DSP	
Sensor Type	Sony 1/3" HQ1 Super HAD CCD
DSP Type	Xvision IXC1HQDNE DSP
DSP Functions	Automatic Electronic Iris Automatic White Balance Automatic Gain Control Low Smear Edge Enhancement Zero Colour Rolling Day/Night
Performance	
Resolution	550/600 TVL
Minimum Illumination	0 Lux (IR on) 0.05 Lux (IR off)
Night Vision	IR Leds for up to 60 metres night vision
Lens	
Type	Auto Iris Varifocal IR Optimised Aspherical
Size	2.8 to 12.0mm
Viewing Angle	23 to 92°
Power Requirements	
Operating Voltage	12V DC 490mA
Suggested Power Supply	12V DC 1250mA
Connections	
Video Output	BNC Socket
Audio Output	N/A
Power Input	DC Socket
Other	
Mechanical IR Filter for True Day/Night	

ORDER CODES

XV549	Camera Only
XV549-P20X1	Camera, 20m Cable & Power Supply
XV549-P40X1	Camera, 40m Cable & Power Supply

RECOMMENDED ACCESSORIES

Weatherproof Connection Box



Provides protection when connecting Plug & Play cables together or to a camera. Plugs & cables simply push through weatherproof grommets for quick & easy installation. Can be wall mounted.

ORDER CODE

WPB

1 Year Warranty

20 Metre High Grade Low Loss Plug & Play Cable



For use with any camera requiring up to 251mA to 1000mA power or with over 501 TVL resolution. Carries sound, picture & up to 12V DC 1250mA power together. Black colour.

ORDER CODE

PNP20X

1 Year Warranty

40 Metre High Grade Low Loss Plug & Play Cable



For use with any camera requiring up to 251mA to 1000mA power or with over 501 TVL resolution. Carries sound, picture & up to 12V DC 1250mA power together. Black colour.

ORDER CODE

PNP40X

1 Year Warranty

Single camera 12V DC 1250mA power supply



Supplies power to cameras & accessories via plug & play cable. Has 1250mA output. Recommended for use with cameras & accessories requiring up to 1000mA.

ORDER CODE

TP121250

1 Year Warranty

Multi camera 12V DC 3500mA power supply



Multi camera 12V DC 3500mA power supply. 3500mA output, recommended for cameras & accessories requiring up to 3000mA. Powers 1 to 4 cameras.

ORDER CODE

TP123500PNP

1 Year Warranty

BNC Twist On Plug



High Quality easy fit BNC plug for RG59 cable. Simply twists on to the cable making a solid and strong connection (RG59 Cable Stripper recommended for preparing cable, to ensure a secure connection).

ORDER CODE

BNCTO

1 Year Warranty

BNC Crimp On Plug



High Quality Crimp On BNC plug for RG59 cable.

ORDER CODE

BNCCO

1 Year Warranty

DC Plug - Screw Type



Designed for quick and easy connection. The DC cable is screwed in to the 2.1mm DC plug connector.

ORDER CODE

DCP-B

1 Year Warranty

DC Socket - Screw Type



Designed for quick and easy connection. The DC cable is screwed in to the 2.1mm DC socket connector.

ORDER CODE

DCS-B

1 Year Warranty

Single Input Video Signal to CAT5 balun - Screw Terminal Type



Single Input Video Signal to CAT5 balun. Maximum range of 600 metres with a B/W signal and 400 metres with a Colour signal. Uses 1 twisted pair in the CAT5, leaving 3 spare for other Data or other baluns.

ORDER CODE

XC5V

1 Year Warranty

Professional 16 Camera (16 Audio) Real Time DVR with USB Memory Stick Back Up, DVD Back Up, Networking, Internet Access, 3G Mobile Phone Viewing (Android, Blackberry, iPhone*, Symbian, Windows), IR Remote Control, VGA Output & 80GB Hard Drive
*coming soon



ORDER CODE

XH16DVRDVD-V-80

2 Year Warranty

Professional 17" LCD CCTV Monitor with 3D Noise Filter



Professional 17" Colour LCD Monitor with VGA, BNC, SVHS & Phono inputs. 2 sets of BNC inputs for 2 different devices. 800 TVL resolution. Loophroughs for connecting to additional monitors. Designed for Desk Mounting as supplied, can be Wall or Ceiling Mounted using optional Bracket.

ORDER CODE

X17LCD

1 Year Warranty