

Day/Night 480/540 TVL Vandal Resistant IR Dome CCTV Camera with 15 Metres Night Vision & Varifocal Lens

(Model: XIR535-3)



A High Quality Vandal Resistant IR Night Vision Dome CCTV Camera with up to 15 metres night vision and an adjustable Varifocal IR Optimised Aspherical Lens for easy selection of any viewing angle between 35° and 85° during installation. The CCTV Camera is designed for non-obtrusive or discreet use in high risk applications where high quality surveillance is required, and is Vandal Resistant allowing it to withstand a blow from a 10 pound sledgehammer and making it suitable for use where there is a risk that the camera may be vandalised. It is designed for internal or external use and can be wall or ceiling mounted.



Camera - Front



Camera - Side



Camera - Rear



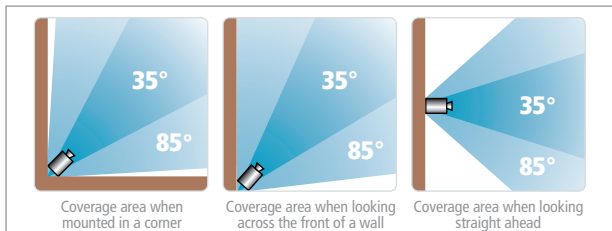
Camera - Connections

Features

- Ideal for high risk applications, the camera is built around a Sony 1/3" Super HAD CCD image sensor which provides recognition quality and basic 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 15 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 480/540 TVL images. These are equivalent to Near DVD quality and suitable for recording at 704x576 (4CIF) or 720x576 (D1) resolutions.



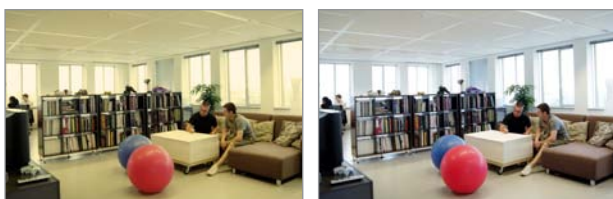
- The camera will operate in complete darkness (0 lux) up to a distance of 15 metres thanks to its built in IR LEDs, beyond 15 metres the camera will operate in any environment that has a light level above 0.1 lux. Examples of environments that have a light level above 0.1 lux are:
 - Dawn and Dusk
 - A Residential Road with Street Lighting
 - A Bar or Nightclub
- The camera is fitted with a 3.5 to 8.0mm varifocal IR optimised aspherical lens. The camera has an adjustable horizontal viewing angle of 35 to 85° when used with this lens.



- The camera features an Xvision IXC1DN 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.



- **Day/Night** - This feature works in conjunction with a special filter on the image sensor, the filter on the image sensor allows the camera to see light emitted from IR LEDs as white light, allowing the camera to see in low light and complete darkness without actually visibly (to human eyes) lighting up the area. The Day/ Night function then converts this image to B/W so it can be seen clearly and also balances out the picture so that the picture is not too bright.



- The camera is Vandal Resistant and Dome shaped and is ideal for non-obtrusive or discreet use inside and outside buildings.
- The camera is tamper resistant as it has a dome cover to protect it from tampering and is also Vandal Resistant as the base is made from high strength metal and the dome is made from impact resistant polycarbonate, giving the camera the ability to withstand a blow from a 10 pound sledgehammer.
- The camera is weather resistant and can be used internally or externally.
- The camera features a unique 3 Axis bracket allowing it to be wall or ceiling mounted.
- An optional wall bracket is available which allows the cameras to be angled at over 90° when on a wall, something that cannot be done using a domes standard 3 axis mechanism.
- The camera is supplied with a 2 Year Warranty (1 Year for LEDs).

Specifications

Model: XIR535-3

Image



Type

Style	Day/Night IR Night Vision Vandal Resistant Varifocal Dome Camera
Weather Resistant	Yes
Mounting Type	Wall or Ceiling
Dimensions (without bracket):	Width: 148mm, Height: 98mm, Depth: 148mm
Shipping Weight	1.06 Kg
Warranty	2 Years (1 Year for LEDs)

Image Sensor/DSP

Sensor Type	Sony 1/3" Super HAD CCD
DSP Type	Xvision IXC1DN DSP
DSP Functions	Automatic Electronic Iris Automatic White Balance Automatic Gain Control Low Smear Edge Enhancement Day/Night

Performance

Resolution	480/540 TVL
Minimum Illumination	0 Lux (IR on) 0.1 Lux (IR off)
Night Vision	IR Leds for up to 15 metres night vision

Lens

Type	Varifocal IR Optimised Aspherical Lens
Size	3.5 to 8.0mm
Viewing Angle:	35 to 85°

Power Requirements

Operating Voltage:	
Suggested Power Supply:	12V DC 1250mA

Connections

Video Output:	BNC Socket
Audio Output:	N/A
Power Input:	DC Socket

Other

-

ORDER CODES

XIR535-3	Camera Only
XIR535-3-P20X1	Camera, 20m Cable & Power Supply
XIR535-3-P40X1	Camera, 40m Cable & Power Supply

RECOMMENDED ACCESSORIES

Ivory Wall Bracket for XIR535-3 & XIR538-3 Dome cameras



Allows the cameras to be angled at over 90° when on a wall, something that cannot be done using their standard 3 axis mechanism.

ORDER CODE

XIRB-WB

2 Year Warranty

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 8 Camera (8 Audio) Real Time H264 Pentaplex DVR with USB Memory Stick Back Up, Networking, Internet Access, 3G Mobile Phone Viewing (Android, Blackberry, iPhone*, Symbian, Windows), IR Remote Control, VGA/PC Monitor Output & 80GB Hard Drive



*coming soon

ORDER CODE

XH8DVR-V-80

2 Year Warranty

RECOMMENDED ACCESSORIES

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