

Video Level Adjustment

The camera is fitted with a Video Level Adjustment which enables you to change the camera picture settings. This is located on the lower circuit board (See Figure 7).

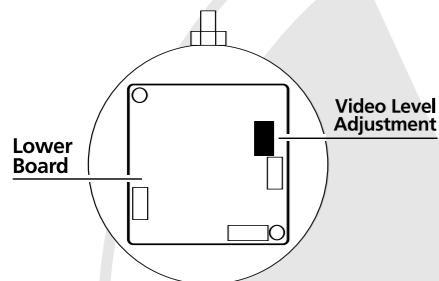


Figure 7

Adjusting the Video Level

(This is set to default as standard only adjust if your picture is too bright, or too dark, and you have already tried the dip switches).

Use a small cross head screw driver to adjust the level of the picture brightness displayed. Rotate to the right (clockwise) to make the picture brighter. Rotate to the left (anti-clockwise) to make the picture darker (see Figure 8).

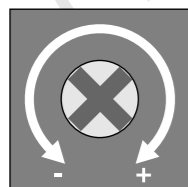


Figure 8

Specifications

Model:	VIS349
Picture Type:	Day/Night (B/W & Colour)
Image Sensor:	Sony 1/3" Ex View CCD
DSP:	Xvision IXC1DNE
Resolution:	500 TVL
Lens Viewing Angle:	30 to 64°
Infra Red Nightvision:	20 metres
Minimum Illumination:	0 Lux / 0.05 Lux
Audio:	No
Operating Voltage:	12V DC 290mA
Suggested Power Supply:	12V DC 1250mA
Mounting:	Wall/Ceiling
Weatherproofing:	Yes
Dimensions (ØxL)	56x124mm

Recommended Accessories

The VIS349 camera will provide images in complete darkness at distances up to 20 metres.

To increase the IR range of this unit you can additionally purchase a separate 10 metre Infra Red lamp (VIS010IR). This can be easily attached to the VIS349 and will give you an increased IR range of up to 30 metres.



VIS349 camera shown with rain/sunshield removed and VIS010IR mounted underneath.

TECHNICAL SUPPORT:

For Technical Support for any x-vision product please contact your local distributor.

LIMITED WARRANTY:

This product is supplied with a limited 2 Year warranty. The Warranty excludes products that have been misused, (including accidental damage) and damage caused by normal wear and tear. In the unlikely event that you encounter a problem with this product, it should be returned to the place of purchase.

Technical Note for Day/Night Cameras:

Day/Night cameras are optimised for viewing in the dark. Therefore to adjust camera settings for best performance at night, please make adjustments to it whilst it is viewing in the dark. Also you will need to adjust the brightness and contrast on your monitor to allow better night time viewing.



Manufactured exclusively for:
x-vision (Europe) Group,
Head Office: London, U.K.
Email: info@x-vision.co.uk
Web: www.x-vision.co.uk

CCTV



Model: **VIS349**
Colour Varifocal IR
Bullet Camera

Before you begin

- Please unpack the box carefully and identify that all the parts are present.

The camera is suitable for indoor or outdoor use. Please bear in mind the following points when choosing a mounting position.

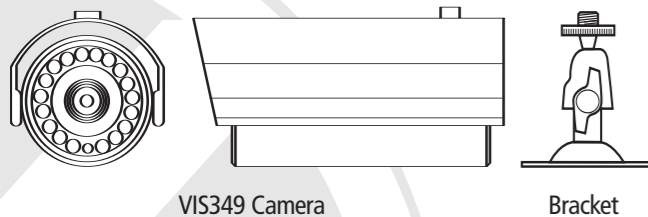
- The camera must be positioned so that it will not point directly into the sun (sunrise and sunset) or any bright light, as this may cause damage to the camera.
- Avoid viewing areas where half the area is in bright sunlight and the other half is dark, such as in the shadow of a building. All types of cameras have difficulty in 'seeing' with such a large lux level variation.
- Do not cut the camera cables, this will void the warranty.
- Make sure you use only the recommended power supply. Damage caused to the camera by incorrect voltage or wiring is not covered by the warranty.

Model:
VIS349
Colour Varifocal IR camera
with up to 20m Nightvision

Mounting Options



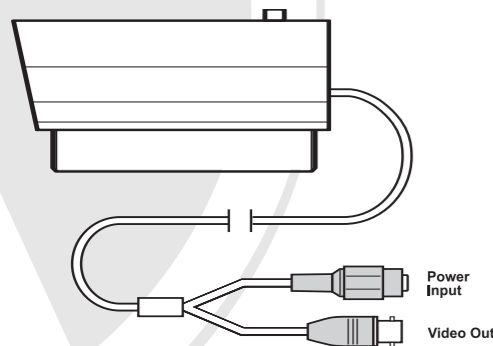
Package Contents



VIS349 Camera

Bracket

Wiring



Power Input

Video Out

1. Connect power to the red power jack.
2. Connect video feed to the yellow BNC type connector.
3. Test that the camera is functioning fully before finalising the position of the camera.

Features

- Dual mode CCD sensor provides very high resolution Colour images in low light conditions of 0.05 lux or above and B/W images in low light conditions below 0.05 lux and in complete darkness.
- Integrated Long Life Infra Red LEDs turn on automatically when the camera switches to B/W mode and provide up to 20 metres night vision
- Light emitted from the Infra Red LEDs is not visible to the human eye, however to the camera the light is clearly visible
- Sony 1/3" Ex view CCD image sensor for 500 TVL resolution images and 0.05 lux low light sensitivity
- X-vision IXC1DN Digital Signal Processing (DSP) chip which has been optimised for internal or external viewing and features Automatic Gain Control, Automatic Electronic Iris, Auto White Balance, Back Light Compensation, Low Smear, Edge Enhancement, Zero Colour Rolling and Day/Night
- X-vision Pixel+ Auto Iris Varifocal 4.0 to 9.0mm lens with 30° to 64° viewing angle for super sharp images and easy selection of the optimum viewing angle during installation
- Economical to run with an operating voltage of 12V DC and power consumption of 500mA
- Durable Corrosion Proof Metal Casing designed for Internal or External use and Wall or ceiling mounting with the bracket supplied
- Supplied with removable sun/rain shield

Camera Assembly

STEP 1: Unscrew the retaining nut from the top of the of the sunshield.

STEP 2: Remove the sunshield from the main body of the camera (as shown in Figure 1).

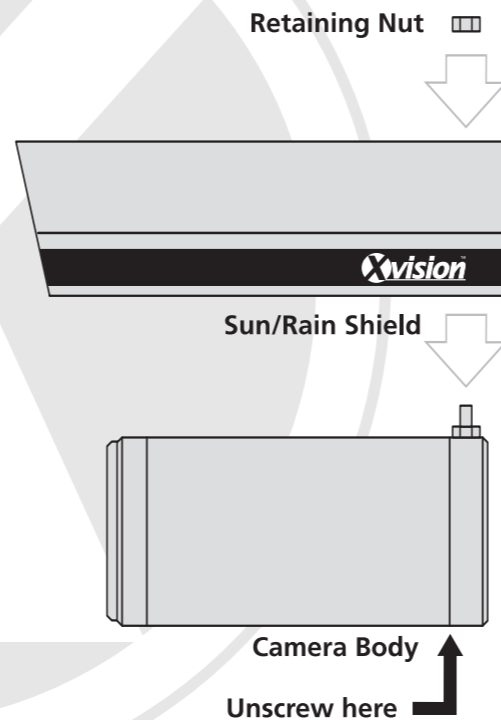


Figure 1

Lens Adjustment

The VIS349 is fitted with a Varifocal lens. You can make adjustments to both the Zoom and Focal Length by following these easy steps:

STEP 1: Carefully unscrew the camera housing and pull the casing away .

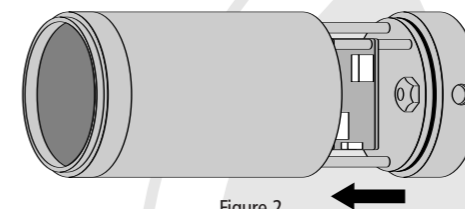


Figure 2

STEP 2: Connect the Video Output to the monitor or other video device through a 75 Ohms type coaxial cable.

STEP 3: Once the picture appears on the monitor, make the Zoom Adjustment by rotating the long screw (NEAR-Anti-clockwise, FAR Clockwise) until you get the desired view. Next make the Focal Adjustment by rotating the long screw (TELE-Anti-clockwise, WIDE Clockwise) until you get the desired view (as shown in Figure 3). (If the long screw does not move turn it Anti-clockwise to unscrew it, this will loosen it and allow you to make the adjustment, after adjustment tighten both screws by turning Clockwise, see Figure 4).

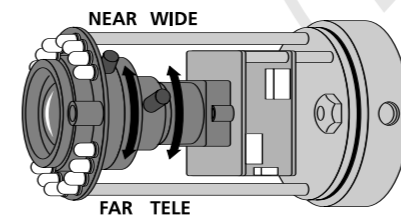


Figure 3

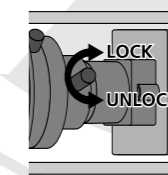


Figure 4

DIP Switch Adjustment

The camera is fitted with a DIP switch which enables you to make various adjustments to the camera settings. The DIP Switch is located on the upper circuit board (See Figure 5). The DIP switch settings are shown in Figure 6.

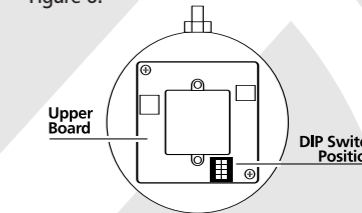


Figure 5



Figure 6

The dip switches should be left in the position shown for normal use.

DIP Switch Setting

ELC (Electronic Light Control)- When in the On position the camera will use the DSP circuit to control the light level. When in Off position it will allow the Auto Iris lens to do it. We recommend that this is left in the Off position, as this camera is fitted with an Auto Iris lens.

BLC (Backlight Compensation)- When in the On position the camera will enable Back Light Compensation (BLC) function. If you will be viewing a scene with lots of background light, such as a glass entrance, this should be turned On.

AGC (Automatic Gain Control)- When in the On position the maximum AGC gain is approximately 26dB. In the Off position the maximum AGC gain is approximately 16dB. For better night time performance switch this On. Please note this will also make the picture appear more grainy.

F/L (Flickerless Function)- Set switch to Off position to enable flickerless function. In this mode the switch AES/OFF is auto disabled. This should be left to the Off position as the camera has an Auto Iris lens. Turning On this function will show you an alternative colour balance under some lighting conditions.