

## TECHNICAL SUPPORT:

For Technical Support for any Xvision product please contact your local distributor.

## LIMITED WARRANTY:

This product is supplied with a 3 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.

8



Manufactured exclusively for:  
**Xvision (Europe) Group,**  
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Model: **VIS249D**  
Colour 500TVL Varifocal  
Dome Camera

## Before you begin

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

The camera is suitable for indoor use only. 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:  
**VIS249D**  
Colour 500TVL Varifocal  
Dome Camera

## Package Contents



1. Instruction Manual



2. VIS249D Dome Camera

## 2. Product Description

THANK YOU VERY MUCH FOR PURCHASING OUR PRODUCT

The VIS249D Colour Varifocal Dome camera is designed for high risk applications. It offers very high resolution 500 TVL images from its Sony 1/3" Super HAD CCD sensor, and has an Xvision Pixel+ Varifocal lens which allows easy selection of the optimum viewing angle required during installation. It will provide images in light levels as low as 0.1 lux. The camera is designed for internal use and for ceiling mounting.

## 3. Features

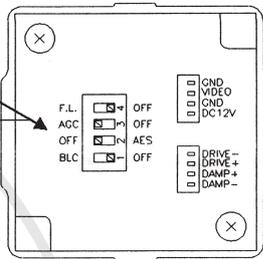
- Very High Resolution CCD sensor provides great quality Colour images in light levels of 0.1 lux and above
- Discreet styling for unobtrusive low profile use
- Tamper resistant and easy to clean as all moving parts are behind the dome cover
- Sony 1/3" Super HAD CCD image sensor for 500 TVL resolution images and 0.1 lux low light sensitivity

## Specifications

<b>Model:</b>	<b>VIS249D</b>
Picture Type:	Colour
Image Sensor:	Sony 1/3" Super HAD CCD
DSP:	Xvision IXC1
Resolution:	500 TVL
Lens Viewing Angle:	30 to 64°
Infra Red Nightvision:	No
Minimum Illumination:	0.1 Lux
Audio:	Yes
Operating Voltage:	12V DC 145mA
Suggested Power Supply:	12V DC 300mA Regulated
Mounting:	Wall or Ceiling
Weatherproofing:	No
Dimensions (ØxD):	107x88mm

## Rear of Camera

FL: Flickerless On/OFF  
AGC: Auto Gain Control High/Low  
AES: Auto Electronic Shutter  
BLC: Back Light Compensation



## 6 DIP Switch Setting

6.1 Flickerless Function- The flickerless function is designed to improve the images and colour balance when using the cameras where Fluorescent Lighting is present. To turn on the flickerless function flick the dipswitch to the F.L. position, to turn it off, flick the dipswitch to the OFF position.

6.2 AGC Function- For better performance in low light conditions the AGC (Automatic Gain Control) can be increased from the standard 16db to 26db. 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). To increase the AGC flick the dipswitch to the AGC position, to leave it as normal, flick the dipswitch to the OFF position..

6.3 AES Function- The AES (Automatic Electronic Shutter) function controls the brightness of the camera image, it should always be in the AES position.

6.4 BLC Function- The BLC (Back Light Compensation) function makes objects in front of a bright scene (such as a window on a bright sunny day) clearer to see by increasing their brightness and making the background darker. To turn on the BLC function flick the dipswitch to the BLC position, to turn it off, flick the dipswitch to the OFF position.

- Xvision IXC1 Digital Signal Processing (DSP) chip which has been optimised for internal viewing and features Automatic Gain Control, Auto White Balance, Back Light Compensation, Low Smear, Edge Enhancement and Zero Colour Rolling
- Xvision Pixel+ 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
- 3-Axis mechanism allows the camera to be wall or ceiling mounted
- Designed for internal use only

## Installation

1. Select a suitable position on the wall or ceiling to install the camera.
2. Rotate the dome housing counterclockwise to remove it from the camera housing.
3. Secure the camera in the desired ceiling position with the four fixing screws (as shown in Figure 1).

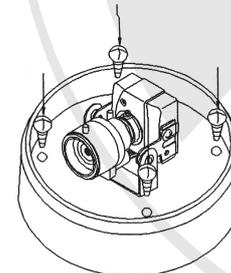


Figure 1

4. Adjust the camera viewing angle by first tilting (STEP 1) then rotating the camera module (STEP 2), and then turn the horizontal adjustment ring (STEP 3) to correct the image and achieve proper orientation (as shown in Figure 2).

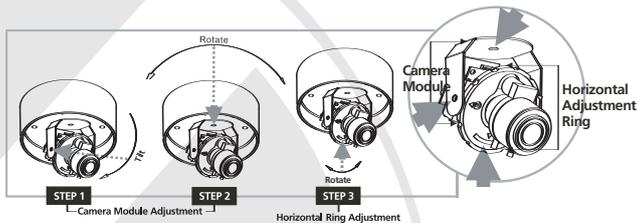
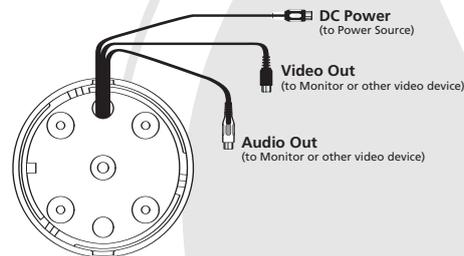


Figure 2

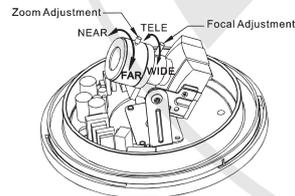
5. Place the dome cover on the camera and tighten it by turning it clockwise.

## How to Operate

1. Connect the video output to the monitor or other video device through a 75 Ohms type coaxial cable.
2. Connect the audio output (optional) to the monitor or other video device using the phono connection
3. Connect the power source, insert the AC plug into the AC socket and the DC plug into the DC Jack (+12V DC in jack centre).



4. Once the picture appears on the monitor, open the cover and make the Zoom Adjustment by rotating the screw (NEAR-Anti-clockwise, FAR-Clockwise) until you get the desired view. Next make the Focal Adjustment by rotating the screw (TELE-Anti-clockwise, WIDE-Clockwise) until you get the desired view.



5. Tighten the two screws, then replace the dome cover.