



VLFD

Mini/ Medium Dome Camera

Instruction Manual

Thank you very much for purchasing our product. Before operating this product, please read this instruction manual carefully to ensure proper use.

1. Safety Precautions



CAUTION
RISK OF ELECTRIC
SHOCK. DO NOT OPEN!



**CAUTION : TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT OPEN COVERS.
NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.**



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems).

- ◆ Please do not directly touch the sensor element. If necessary, use a soft cloth moistened with alcohol to wipe off any dust.
- ◆ Please be extra careful not to shake the camera.
- ◆ Please avoid places where there is direct sunlight.
- ◆ When using this camera in places where the lighting differs greatly, please use the auto iris lens with ND filter.
- ◆ Please avoid places where temperatures exceed 50°C or more, high humidity or where direct rain drops hit, frequent vibrations, or shocks occur.
- ◆ During the night, if a minimum brightness of 0.1 Lux can not be achieved, install appropriate light fixtures.
- ◆ When the camera is not in use, keep the lens or the lens cap attached to protect the sensor.

2. Description

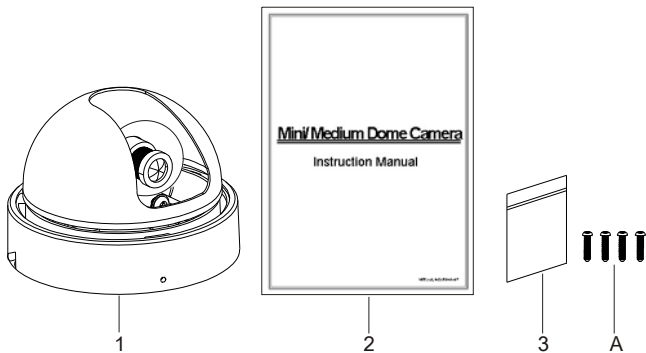
The camera uses Sony high sensitive super HAD interline transfer image sensor, and employs digital signal processor (DSP) chip-set for image control, and all integrated state circuitry which provide extremely long life and high reliability. This camera offers excellent image quality with low lag and high burn resistance, and is not subject to distortions from magnetic fields.

Highly resistance to shock and vibration, easy to install, this camera is a very good choice for your color CCTV system.

3. Feature

- ◆ Camera with Sony Super HAD CCD sensor.
- ◆ Employs Digital Signal Processor (DSP) IC for image control.
- ◆ Pixel number: NTSC=380K/ PAL=440K (EIA=380K/ CCIR=440K) for high resolution models, and NTSC=250K/ PAL=290K (EIA=250K/ CCIR=290K) for normal resolution models.
- ◆ High sensitivity, low smear, high anti-blooming and high S/N ratio.
- ◆ Powerful functions: Auto Electronic Shutter (AES), Auto Iris (AI), Auto Gain Control (AGC), Auto White Balance (AWB), and Back Light Compensation (BLC).
- ◆ 3-Axis mechanism for free lens rotation.

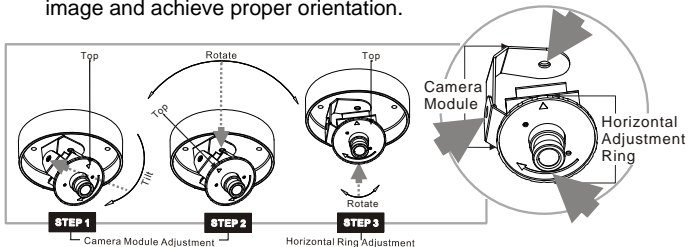
4. Content



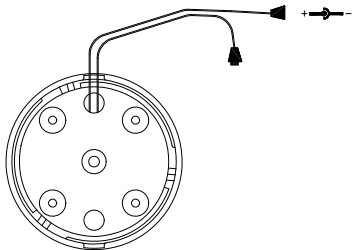
Item	Name of Part		Quantity
1	Instruction Manual		1
2	Dome Camera		1
3	Appurtenance Bag		1
	A	Fix retaining screw for bracket	4

5. Installation & Operation

1. Remove the dome cover from the mounting base by rotating the dome cover clockwise.
2. Adjust the camera viewing angle by first tilt then rotate the camera module, and then turn the horizontal adjustment ring to correct the image and achieve proper orientation.



3. Once the installation is complete, replace the dome cover over the camera and tighten it by turning counterclockwise.
4. Connect the video output to the monitor or other video device through a 75 Ohms type coaxial cable and the DC-Jack or AC/DC-Terminator to the power source.



Note: Power adapter is sold separately.

6. Specification

According to the camera purchased, select and refer to the appropriate specification below:

Color Camera						
Image Device	1/3" Color CCD (Sony Chipset)		1/3" Hi-Res. Color CCD (Sony Chipset)	1/3" Hi-Res. CCD	1/3" Ultra Hi- Res. Color CCD (Sony Chipset)	1/4" Color CCD (Sony Chipset)
Picture Elements	NTSC: 510x492 PAL: 500x582		NTSC: 768x494 PAL: 752x582			NTSC: 510x492 PAL: 500x582
Resolution	380 TVL	420 TVL	470 TVL	540 TVL	550 TVL	380 TVL
Min Illumination	0.2Lux/ F2.0		0.3Lux/ F2.0		0.4Lux/ F2.0	0.3Lux/ F2.0
S/N Ratio	More than 48dB					
Electronic Shutter	NTSC: 1/60S~1/100,000S; PAL: 1/50S~1/110,000S					
Gamma	0.45					
Lens Furnished	Board Lens					
White Balance	Auto					
Gain Control	Auto					
Sync. System	Internal					
Video Output	1Vp-p/ 75 Ohms					
Power Supply	DC 12V±10%					
Power Consumption	120mA max.	75mA max.	120mA max.	75mA max.	150mA max.	75mA max.