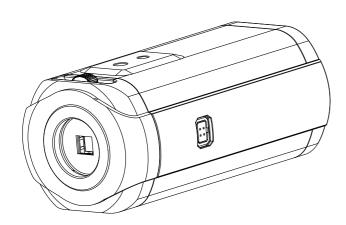
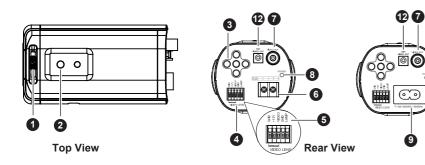
High Resolution Box Camera Instruction Manual



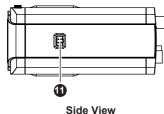


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Parts Descriptions





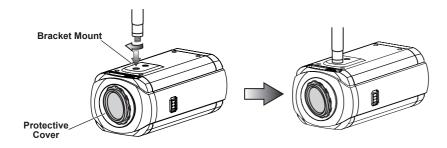


- 1. Back Focus Adjustment
- Bracket Mount
 OSD Control

- 3. OSD Control
 4. Video Lens Drive Terminal Block
 5. IR Lamp Connector
 6. Power Input Terminal Block
 (DC/AC Low Voltage)
 7. BNC Composite Video Output
 8. Power LED Indicator
 9. AC Power Input Socket
 (AC Mains)
 10. CCD Sensor
 11. DC Lens Connector
 12. Second Video Output

Camera Installation

The camera can be mounted by using either the bracket mount on the top or bottom (see part description 2). The bracket mounts accept standard photographic mounting bolts (1/4" BSW or 20 UNC).



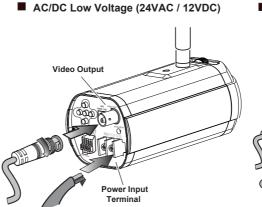
Ensure the bracket, screws (inc. wall plugs, if used) and mounting surface can support the load of the camera and bracket.

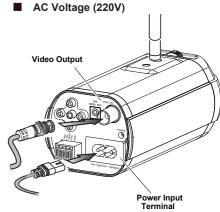
Connecting to the Power Source and Video Output

For AC/DC Dual Power Model: The camera operates at either 24 VAC or 12 VDC. For AC Mains Power Model: The camera operates in 220 VAC.

Connections are indicated in the rear panel of the camera.

The power supply must be stable power source and should only be installed by qualified personnel. Connect the 75 Ohm coaxial cable to video output .





Precautions

This product must be installed and maintained in accordance with good installation practices by qualified personnel only.

To prevent damage to your camera or injury to yourself or to others, read and comply with the safety precautions as follows:

- Never attempt to disassemble or modify the camera. Any modification could lead to damages that are not covered by the quarantee.
- Make sure the power source is switched off and disconnected before installation. Refer servicing to qualified personnel only.
- To prevent fire or electrical shock, use only regulated power supply and the wiring should be used for the appropriate input terminal.
- Do not expose or operate the camera in wet areas. Moisture may damage the camera and also increase the danger of electrical shock.
- Do not attempt to aim the camera at the sun or other extremely bright objects. This may cause damage to the CCD and the void of warranty.
- Do not touch the lens or the CCD by hands while installing or adjusting the camera. This may cause damage to the camera.

Specifications

General Specifications		AC/DC Dual Power Model	AC Mains Power Model
TV System		NTSC / PAL	
Image Sensor		Sony 1/3" Super HAD-II	
Effective Picture Element	NTSC	976(H) x 494(V)	
	PAL	976(H) x 582(V)	
Scanning Frequency	NTSC	60Hz	
	PAL	50Hz	
Resolution		700 TVL	
Minimum Illumination		0.3Lux(F1.2,50IRE, AGC ON)	
S/N Ratio		50dB (100 IRE, F1.2)	
Video Output		Composite (75 Ω BNC unbalanced connector)	
2nd Video Output		Yes (supports installation check)	
Power Source		12 VDC ±10% / 24 VAC ±20%	220 VAC (50/60 Hz)
Power Consumption		2.2W	2.5W
Operating Temperature		-10°C ~ +50°C	
Storage Temperature		-20°C ~ +60°C	
Dimensions		63mm (W) x 57mm (H) x 120.2mm(L)	

Sense Up		ON / OFF		
Shutter Speed	AES	NTSC: 1/60 ~ 1/100000	PAL: 1/50 ~ 1/100000	
	MES	1/50 (1/60), 1/120 (1/100), 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K		
AGC Gain Contr	ol	44.8 dB		
Wide Dynamic Range		WDR: OFF/ATR-EX/WDR	Non-WDR: OFF/ATR-EX	
High-Light Comp	pensation (HLC)	ON/OFF		
Backlight Comp	ensation (BLC)	Full Range		
White Balance Control		ATW / Manual / Push / Push Lock / USER1,2		
Auto White Bala	nce Range	Indoor: 1800K~10500K Outdoor: 6500K~10500K		
Day/Night		SDN(AUTO ,COLOR ,NIGHT)		
Mirror		OFF/V-FLIP/H-FLIP/HV-FLIP		
Defog		ON/	ON/OFF	
Sync System		INT /LL		
Motion Detectio	n	4 Areas		
Privacy Zone		Up to 15 Masks		
Digital Noise Re	duction	3D DNR		
Digital Zoom		255X Max		
DIS		ON/OFF		

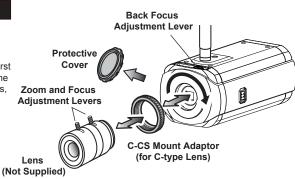
Connection and Adjustment

Lens Installation

■ Installing the Lens

Before installing a lens, you must first remove the protective cover from the camera. If mounting a C-Mount lens, attach the C-CS mount adaptor to the camera

Adjust the Back Focus to acquire a sharp image (see Back Focus



■ Back Focus Adjustment

There is a mechanism for back focus adjustment. Loosen the back focus locking screw.

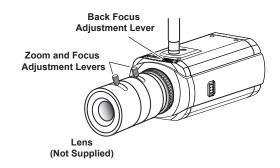
Move the adjustment lever to obtain optimum focus of the image.

Tighten the screw to lock the back focus adjustment lever in place.



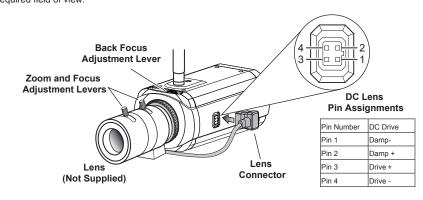
Manual / Fixed Lens Mounting

- 1. If using a C-mount lens, attach the C-CS mount adaptor before installing the lens.
- Move the back focus adjustment lever fully to the left, with the lens facing towards you (see Back Focus Adjustment).
- 3. Install the lens on to the camera
- Adjust the Back Focus to the correct position then secure the screw.
 Adjust the Zoom and Focus levers of the lens to acquire a clear image and the required field of view.



Direct Drive (D.C.) Lens Mounting

- 1. If using a C-mount lens, attach the C-CS mount adaptor before installing the lens.
- Move the back focus adjustment lever fully to the left, with the lens facing towards you (see Back Focus Adjustment).
- 3. Install the lens on to the camera.
- 4. For Direct Drive Lens application, connect the DC Lens Connector to the side of the camera Fit the lens to the camera according to the following connection assignments.
- 5. Adjust the Back Focus to the correct position then secure the screw.
 6. Adjust the Zoom and Focus levers of the lens to acquire a clear image and the required field of view.



GND +12V VIDEO

VIDEO LENS

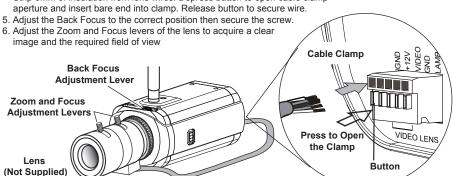
Video Drive Lens

Terminal

Video Drive Lens Mounting

- If using a C-mount lens, attach the C-CS mount adaptor before installing the lens.
- Move the back focus adjustment lever fully to the left with the lens facing towards you (see Back Focus Adjustment).
- 3. Install the lens on to the camera.
- 4. For Video Drive Lens application, connect the wires to the rear panel of the camera. Fit the lens to the camera according to the following connection

Strip 6mm of insulation from lens wires. Depress button to open cable clamp



Camera Setup

