EW **High Resolution Box Camera Instruction Manual**

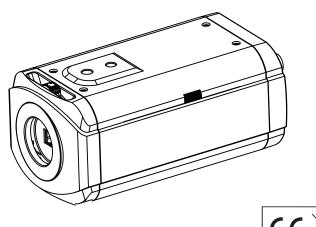
Connecting to the Power Source and Video Output

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 .

AC/DC Low Voltage (24VAC / 12VDC) AC Voltage (220V)

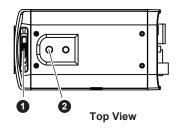






V531-CQ015-201 Ver.05/2016

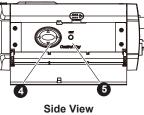
Parts Descriptions





Front View

H12V VIDEO ALARM GND D/N SW



678

Main Powe

8 9

١

 \bigcirc

14

15

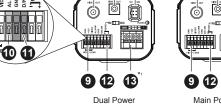
(side cover opened)

1. Back Focus Adjustment

- 2. Bracket Mount 3. CCD Sensor

4. OSD Navigation Pad
 5. OSD Enter Button
 6. BNC Composite Video Output

- 7. Second Video Output 8. DC Lens Connector 9. Video Lens Connetor
- 10. Motion Detect Alarm Trigger
- 11. Day/Night Switching Trigger 12. RS-485 Connection Terminal 13. Power Input Terminal*¹ 14. AC Mains Power Input Connector*
- 15. Power Indicator

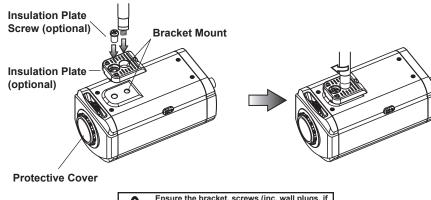


678

Rear View

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, in used) and mounting surface can support the load of the camera and bracket.

Video Output Video Output Þ Power Input Terminal

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 damage that is not covered by the guarantee.
- 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 a regulated power supply and the wiring used should be appropriate for the input terminal.

Specifications

 Do not expose or operate the camera in wet areas. Moisture may damage the camera and also increase the danger of electrical shock.

0

Mains Power

Connector

- Do not attempt to aim the camera at the sun or other extremely bright objects, even when switched off. This may cause damage to the CCD and void the warranty
- Do not touch the CCD while installing or adjusting the camera. This may cause damage to the camera.

General Specifications		AC/DC Dual Power Model	AC Mains Power Model
TV System		NTSC / PAL	
Image Sensor		Sony 1/3" Super H	AD-II Wide Dynamic
Effective Picture Element	NTSC	976(H) x 494(V)	
	PAL	976(H) x 582(V)	
a i 5	NTSC	60Hz	
Scanning Frequency	PAL	50Hz	
Resolution		700 TV	/L
Minimum Illumination		0.3Lux(F1.2,50	RE, AGC ON)
S/N Ratio		50dB (100	IRE, F1.2)
Video Output		Composite (75 Ω BNC	unbalanced connector)
2nd Video Output		Yes (supports insta	allation check)
Power Source		12 VDC ±10% / 24 VAC ±20%	100 ~ 240 VAC (50/60 Hz)
Power Consumption		Normal: 3.0W , TE	DN On: 4.9W(Max)
Operating Temperature		-10°C ~ +50°C	
Storage Temperature		-20°C ~ +60°C	
Dimensions		68mm (W) x 59mm (H) x 123.7mm(L)	

Functional Specif	fications			
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 Control		44.8 dB		
Wide Dynamic Range (WDR)		OFF/ATR-EX/WDR		
High-Light Compensation (HLC)		ON/OFF		
Backlight Compensation (BLC)		Full Range		
White Balance Control		ATW / Manual / Push / Push Lock / USER1,2		
Auto White Balance Range		Indoor: 1800K~10500K Outdoor: 6500K~10500K		
Day/Night		TDN (AUTO ,COLOR ,NIGHT)		
Mirror		OFF/V-FLIP/H-FLIP/HV-FLIP		
Defog		ON/OFF		
Sync System		INT /LL		
Motion Detection		4 Areas		
Privacy Zone		Up to 15 Masks		
Digital Noise Reduction		3D DNR		
Digital Zoom		255X Max		
DIS		ON/OFF		

Connection and Adjustment

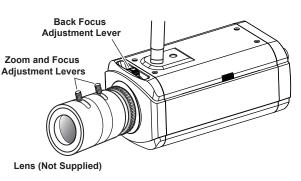
Lens Installation Back Focus Adjustment Lever Protective Installing the Lens Cover Before installing a lens, you must first remove the protective cover from the 1 Zoom and Focus camera. If mounting a C-Mount lens, attach the C-CS mount adaptor to Adjustment evers) 10 the camera Adjust the Back Focus to acquire a C-CS Mount sharp image (see Back Focus Adjustment). (for C-type Lens) Lens (Not Supplied) Back Focus Adjustment h There is a mechanism for back focus adjustment. Loosen the back focus locking screw. TEC Move the adjustment lever to obtain optimum focus of J the image

Back Focus Adjustment Lever

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

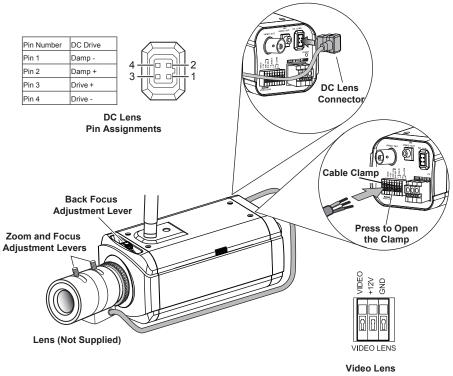
Manual / Fixed Lens Connection

- 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 Adjust the Back Focus to the correct position then secure the screw
- 5. Adjust the Zoom and Focus levers of the lens to acquire a clear image and the required field of view.



Auto IRIS Lens Connection

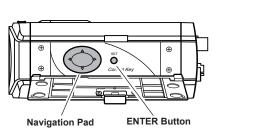
- . If using a C-mount lens, attach the C-CS mount adaptor before installing the lens
- 2. Move the back focus adjustment lever fully to the left, with the lens facing towards you (see Back Focus Adjustment).
- 3. Install the lens on to the camera.
- 4. For Direct Drive Lens applications, connect the DC Lens Connector to the rear panel of the camera. Fit the lens to the camera according to the following connection assignments.
- For Video Drive Lens applications, connect the wires to the rear panel of the camera. Fit the lens to the camera according to the following connection assignments.
- Strip 6mm of insulation from lens wires. Depress button to open cable clamp aperture and insert the bare end into clamp. Release button to secure the wire.
- 6. 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 8. Adjust the Zoom and Focus levers of the lens to acquire the clear image.



Pin Assignments

Camera Configuration

- The control buttons are on the left hand side of the camera.
- 2. Push the side cover to access the buttons.
- Press the ENTER button, and the OSD Menu will be displayed.
 Use the Navigation Pad to select the desired menu option.
- 5. Pressing the ENTER button will open the sub-menu or confirm the configuration.





- 6. Use the Navigation Pad to move the cursor to SAVE ALL: then press the ENTER button to write the new settings to memory and complete the configuration. 7. To move to next page of the OSD menu, select **NEXT** and press **ENTER**. Similarly, to move to the
- previous page of the OSD menu (or to move one hierarchy level up), select BACK or RETURN and press ENTER.
- To quit or give up the configuration, select EXIT and press ENTER to close the OSD Menu.
 To reset the camera to the factory setting, select CAMERA RESET and press ENTER (if CAMERA RESET is not visible on the OSD menu, please select NEXT/BACK and press ENTER until
 - CAMERA RESET appears).

Camera Setup mera OSD Menu PAGE1

