

700 Line Indoor / Outdoor Bullet Camera

Model: B61IROSD



FEATURE

This camera is suitable for both indoor and outdoor installations.

This camera is designed for 24 hour surveillance with built in IR LED's

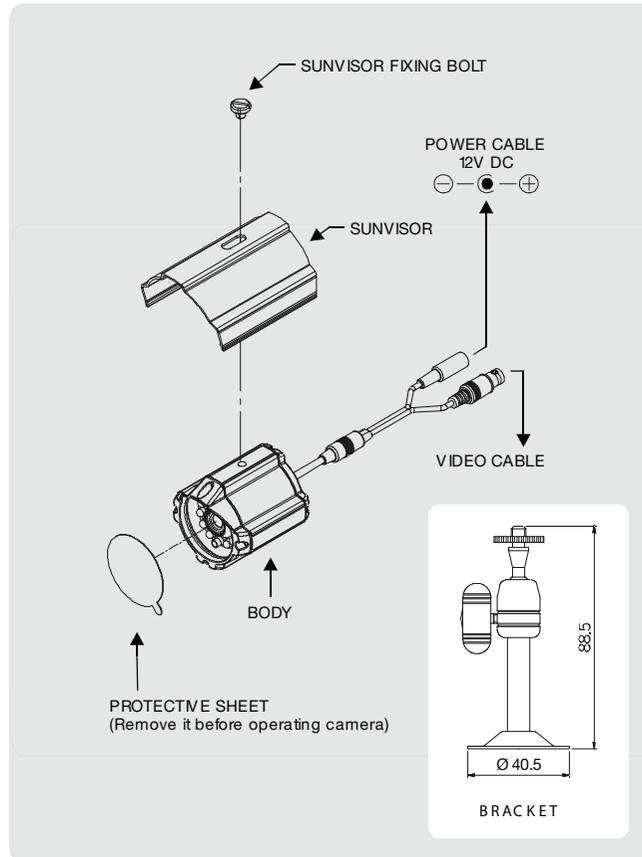
This camera has a 65' IR LED Range.

This camera is IP66 Rated for outdoor use.

This camera housing is made of aluminum with a corrosion free surface to resist rust.

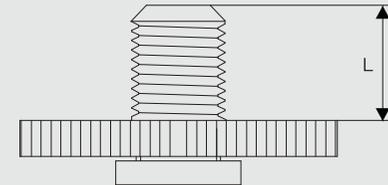
The included sunshield can be adjusted to help prevent glare.

CONFIGURATION



HOW TO INSTALL

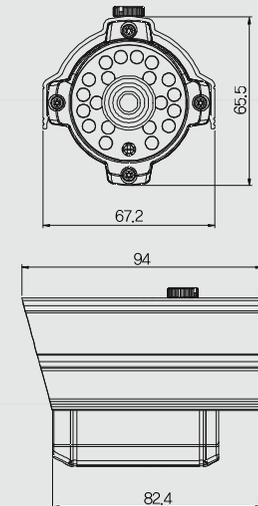
1. Measure the surveillance area and attach the mount bracket to the camera.
2. Attach the bracket to the camera's top or bottom hole tightly.



Screw dimension for the hole
1/4"-20 UNC(20 THREAD)
L : 4,5mm ±0,2mm(ISO standard)
0,197mm(ASA standard)

3. If you want to attach the bracket to the hole above the camera, you first must remove the screw to the sunvisor. Next install the camera and mounting bracket on the wall or ceiling.
4. Connect the video cable of this camera to the monitor.
5. Connect the power cable to the power supply adaptor.
 - Power supply should be a regulated 12V DC, 500mA. (⊖-●-⊕)
 - The power should be connected after installing the camera.

DIMENSION



CAUTION AND WARNING

Please read this instruction manual before installation and keep it for future reference.

Do not look directly into IR LED's when they are on.

Use only a 12 volt DC regulated power supply or you could damage the camera.

Do not disassemble the camera there are no user serviceable parts inside.

To prevent water leakage do not cut or damage the cables.

Always mount the camera to a secure location.

Be sure the Video and Power cables are not heavily twisted to avoid cable damage.

Please only use the camera within the given temperature limits.

Installation should be done by qualified personnel only.



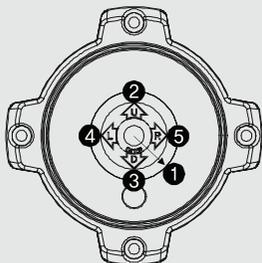
If the product is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.

● SPECIFICATION

B61ROS2	
Image Sensor	1/3" Color Sony Super HAD II CCD
Effective Picture Elements	768(H) x 494(V)
Resolution	700 TV Lines
D-WDR (Wide Dynamic Range)	On / OFF (0 ~ 20 Adjustable)
3DNR (Digital Noise Reduction)	Off / Low / Mid / High / Auto
OSD (On Screen Display)	Yes (Built-In)
Sense-up	1024X
Video Output	1.0Vp-p (Sync. Negative) Termination 75 OHM
Minimum Illumination	LED On: 0.0 Lux
LED	IR LED 20pcs 840nm
LED Range	65'
S/N Ratio	52dB or More (AGC Off)
Electronic Shutter	Auto (1/60 ~ 1/100,000 sec.)
Gain Control	Automatic
Sync System	Internal
Gamma	$\gamma = 0.45$ Typ.
Back Light Compensation	BLC / HLC / DWDR
Day / Night	Electronic (Auto / Color / BW)
Mirror	On/Off
Test Illuminance Area	Average Test Illumination by Front View
White Balance	ATW / Manual
Power Requirement	12 Volts DC (Regulated)
Power Consumption	LED Off 100mA / LED On 300mA
Operation Temperature	-14°F ~ 122°F
Lens Type	6mm Fixed Focal Board Lens
Overall Camera Dimensions	6.7" x 2.5" x 3.7"
Weight	0.8lb
Weatherproof Rating	IP66

● FUNCTION SETTING

1. How to use the jog lever



- 1) Open the protective cap on the rear
- 2) Adjust the OSD menu with the jog lever
- 3) Close the cap for secure use

- ① ENTER(Push) : Used to access the menu and confirm selection.
- ② UP, ③ DOWN : Used to move the cursor to up or down.
- ④ LEFT, ⑤ RIGHT : Used to move the cursor to left or right and change the value.

2. OSD menu structure

Function setting menu	Select menu	Sub menu	Contents		
1. EXPOSURE					
LENS	MANUAL	BRIGHTNESS	0~99 : Adjust brightness with a manual iris lens		
		E. SHUTTER	AUTO, 1/60, 1/100FLK, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, 1/100000 : Adjust shutter speed		
	DC	BRIGHTNESS	0~99 : Adjust brightness with a DC iris lens		
		E. SHUTTER	AUTO, 1/60, 1/100FLK, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, 1/100000 : Adjust shutter speed		
AGC	OFF, LOW, MIDDLE, HIGH	Determines that use the AGC function or not and AGC level selectable (You can not use the Auto D&N change mode when AGC is off)			
SENSE-UP	AUTO, OFF, X2, X4, X8, X16, X32, X64, X128, X256, X512, X1024		Using sense up when it is low luminance (x2~x1024)		
BACKLIGHT	BLC	BLC LEVEL	OFF, LOW, MID, HIGH : Use BLC function or not / level selectable		
		TOP	0~15: Adjust top position of BLC zone		
		BOTTOM	1~16: Adjust bottom position of BLC zone		
		LEFT	0~15: Adjust left position of BLC zone		
		RIGHT	1~16: Adjust right position of BLC zone		
	HBLC		OFF : Deactivates HBLC function		
		MANUAL	HBLC LEVEL : OFF, LOW, MID, HIGH		
		TOP : 0~15	} Make a zone for HBLC		
		BOTTOM : 1~16			
		LEFT : 0~15			
RIGHT : 1~16					
HLC	MODE	ALL DAY : Activates HBLC function all day NIGHT : Use the function at night only			
	HLC LEVEL	1~100 : Level adjust			
	MASK 1~4	ON	} Make a zone for HLC mask		
TOP : 0~33					
BOTTOM : 1~34					
LEFT : 0~44					
RIGHT : 1~45					
		OFF : HLC MASK OFF			
D-WDR	SET LEVEL	0~20 : DWDR level adjust			
3D-DNR	OFF, LOW, MID, HIGH, AUTO		Reduce noise in low illumination (Level selectable)		
RETURN			Move back to previous menu		
2. WHITE BALANCE					
AWB MODE	MANUAL	ATW	Color temperature 2500~9500°K		
		M-WR	0~128 : Adjust the Red value to shift the color of the object		
		M-WB	0~128 : Adjust the Blue value to shift the color of the object		
	RETURN		Move back to previous menu		
PUSH		Find the optimal white balance for current luminance environment			
R-Y GAIN	0~255		Adjust Red tone of the image		
B-Y GAIN	0~255		Adjust Blue tone of the image		
RETURN			Move back to previous menu		
3. DAY&NIGHT					
D&N MODE	AUTO	DAY-NIGHT	7~30	Select brightness of illumination about changing the day-night mode by AGC	
		NIGHT-DAY	6~29		
		DELAY TIME	0~15		Select the duration time
		RETURN			Move back to previous menu
	AUTO-CDS	A. DAY-NIGHT	6~36	Select brightness of illumination about changing the day-night mode by AGC	
		A. NIGHT-DAY	6~36		
		C. DAY-NIGHT	0~255		Select brightness of illumination about changing the day-night mode by CDS
		C. NIGHT-DAY	0~255		
	DELAY TIME	0~15	Select the duration time		
	RETURN		Move back to previous menu		
COLOR		Fixed at color			
B&W		Fixed at B/W			
EXT	DELAY TIME	0~15	Change the color to B/W by external signal (Not available)		
	RETURN		Move back to previous menu		
BURST	ON, OFF		Transmit the burst signal or not in B/W mode		
C_SUP	0~100		Color suppress controllable		
A_SUP	0~100		Iris suppress controllable		
SMART IR	ON, OFF		Decreases screen saturation of objects within a short range		
RETURN			Move back to previous menu		

4. IMAGE ADJUST				
MIRROR	MIRROR, OFF		Set a vertical image inversion	
SHARPNESS	0~30		Sharpness adjustable	
GAMMA	0.45, 0.55, 0.65		Set a gamma value	
	USER	GAMMA	0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 : Gamma adjustable	
		RETURN		Move back to previous menu
LSC	ON	SET LEVEL	0~30 : Use the LSC and level adjustable	
	OFF	RETURN	Move back to previous menu	
RETURN			LSC OFF	
RETURN			Move back to previous menu	
5. MOTION				
MOTION	ON, OFF		Motion detection function activate/deactivate	
AREA	AREA 1~4	TOP	0~143	} Make a zone for motion detection
		BOTTOM	2~145	
		LEFT	0~190	
		RIGHT	2~192	
	RETURN		Move back to previous menu	
RETURN			Move back to previous menu	
SENSITIVITY	1~30		Motion detection sensitivity	
DISPLAY	OFF, MESSAGE, TRACE		Select notification method of motion detection	
HOLD TIME	0~15		Set the duration of alarm out	
ALARM OUTPUT	ON, OFF		Alarm ON/OFF	
RETURN			Move back to previous menu	
6. PRIVACY				
MASK 1~8	ON	OFF	Display each privacy mask or not	
		DOT SEL	L TOP, L BOT, R BOT, R TOP : Determines which of the 4 vertices of each MD area is to be used	
		DOT XY	ENTER SETTING : Determines the coordinate	
		MOVE XY	ENTER SETTING : Move the mask	
		COLOR	BLACK, WHITE, ... : Select mask color (8 colors)	
		RETURN		Move back to previous menu
RETURN			Move back to previous menu	
7. SPECIAL				
LANGUAGE			ENGLISH, ... : Select language (9 languages)	
TITLE	OFF-ON	EDIT	Display the camera name on the screen	
		RESET	Camera name reset	
		POSITION	Camera name position	
RETURN			Move back to previous menu	
COMMUNICATION (N/A)	OFF-ON	ID	1~255 : Select the camera ID for RS-485 communication	
		BAUDRATE	2400, 4800, 9600 : Select baud rate	
		PROTOCOL	PELCO-D : Camera protocol	
		RETURN		Move back to previous menu
DPC	OFF		Deactivates Defect Pixel Correction in low illumination	
		WHITE THR	0~255 : Setup the limited value of white pixel correction	
	AUTO	LUMA THR	0~255 : Setup the limited value of white pixel correction	
		RETURN		Move back to previous menu
FACTORY SET	YES, NO		Reset your camera to factory default condition	
RETURN			Return to previous menu (Communication setting is not changed)	
8. EXIT				
SAVE AND EXIT			Save the value and exit menu	
EXIT			Escape the menu without save	
RETURN			Move back to previous menu	