

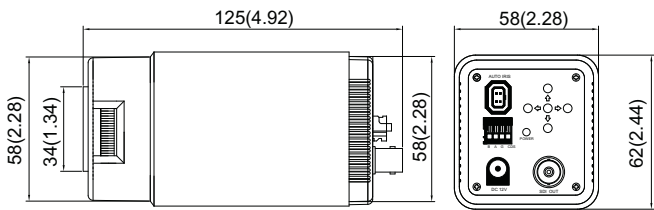
HD-SDI Box Camera



Installation Caution

- ▶ Do not adjust or modify the camera's internal circuits or power supply modules.
- ▶ Do not put objects inside the unit.
- ▶ Do not drop the camera or subject it to strong shock or vibration.
- ▶ Please keep the camera away from the electric field or magnetic field during installation, and the installation should be done by qualified person under necessary installation requirements.
- ▶ Protect from humidity, dust and high temperature.
- ▶ Do not directly touch the CMOS element.
- ▶ When any abnormalities happen, make sure to unplug the camera and contact your local dealer.

Dimension



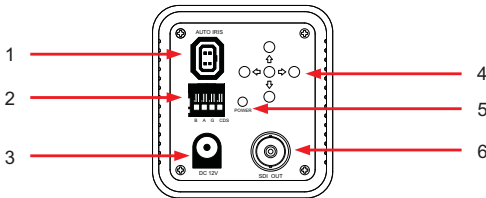
Specification

IP Rating	IP55
Filter	Colour/Monochrome(Removable IR Cut Filter)
Image Sensor	1/2.8" Sony 2.3 Mega Pixel CMOS
Active Pixels	1920 x 1080
Scanning System	Progressive
Resolution	1080P@25fps/30fps/50fps/60fps, 720P@25fps/30fps/50fps/60fps
Electronic Shutter	NTSC:1/60-1/100,000s PAL:1/50-1/100,000s
White Balance	ATW
Black Light Compensation	Auto
OSD	Yes
Auto Gain Control	ON
Defog	OFF/ON
DNR	OFF/ON
WDR	OFF/ON
Day&Night	Auto / Color / BW / Ext
Dimension	125 x 58 x 62mm(4.92" x 2.28" x 2.44")
Weight	340g(11.99oz)
Power Sour ce	DC12±10%
Power Consumption	300mA (MAX)
Operating Temperature	-30~+40°C(-22~+104°F)
StorageTemperatue	-30~+60°C(-22~+140°F)

Package Components

- | | |
|-----------------------------|-----|
| 1. Camera | X 1 |
| 2. User manual | X 1 |
| 3. Lens cover | X 1 |
| 4. Aperture drive plug | X 1 |
| 5. Aluminum connecting ring | X 1 |
| 6. Hex wrench | X 1 |

Function



1. "AUTO IRIS": Automatic aperture interface
2. "A": 485 input(Protocol: PELCO-D; Baud Rate: 2400);
"B": 485 output (Protocol: PELCO-D; Baud Rate: 2400);
"G": Ground;
- "CDS": DAY/NIGHT input(Color image displayed when the input voltage is 2-3V DC in high level; Black and white image displayed when the input voltage is 0V DC in low level.)
3. DC 12 V power interface
4. OSD operation keys
5. Power indicator
6. SDI output

OSD Menu

Main Menu			
1. EXPOSURE	AUTO#	AUTO#HOLD	
2. WHITE BALANCE	ATW#	ATW#PUSH USER#AWB HOLD	
3. WDR	OFF	OFF/ON#	
4. NR	OFF	OFF/ON	
5. IMAGE-ADJUST	#	#	
6. DAY/NIGHT	COLOR	AUTO#COLOR/BW/EXTERN	
7. PRIVACY MASK	#	#	
8. OUTPUT-MODE	1080P25FPS	720P25/30/50/60FPS, 1080P25/30/50/60FPS	
9. EXIT	#	#	
Exposure			
1. EXPOSURE	AUTO#HOLD		
AUTO#	AUTO#		
EV COMPENSATION	OFF	E-SHUTTER	
FLICKER LESS	OFF		
RETURN			
White Balance			
1. WHITE BALANCE	ATW#PUSH		
USER#AWB HOLD			
ATW#			
INOUT MODE	INDOOR, OUTDOOR		
ATW DELAY	0-255		
SPEED	0-255		
R/G OFFSET	0		
B/G OFFSET	0		
RETURN			
WDR,NR			
3. WDR	OFF/ON#		
ON#			
DEFOG	OFF/ON#		
DEFOG LEVEL	0-32		
LOW	LUM	0-127	
HIGH	LUM	0-127	
RETURN			
4. NR	OFF/ON		

Image Adjustment

1. IMAGE ADJUST	STANDARD		
SHARPNESS	0.4		
HUE	0		
SATURATION	0		
BRIGHTNESS	0		
CONTRAST	128		
DYNAMIC DPC	ON#		
RETURN			
1. IMAGE ADJUST	STANDARD, H-MIR		
MIRROR	V HR, HV MIR		
SHARPNESS	0-255		
HUE	0-255		
SATURATION	0-255		
BRIGHTNESS	0-255		
CONTRAST	0-255		
DYNAMIC DPC	OFF/ON#		
ON#			
RETURN			
DPCLEVEL	0-255		

Day/Night

DAY-NIGHT	0		
DELAY CNT	#		
DAY-NIGHT	9		
NIGHT-DAY	4		
RETURN			
6. DAY-NIGHT	AUTO#COLOR		
/BW/EXTERN			
AUTO#	SATURATION	0-255	
DELAY CNT	#		
UNIT SECOND FRAME			
DAY-NIGHT	0-255		
NIGHT-DAY	0-255		
RETURN			
DAY-NIGHT	0-255		
NIGHT-DAY	0-255		
RETURN			

Privacy Mask & Output Mode

7. PRIVACY MASK			
MASK ENABLE	OFF		
BLEND Y	0		
BLEND CR	0		
Y BLEND RATIO	0		
TOP	0		
BOTTOM	0		
LEFT	0		
RIGHT	0		
MOSAIC	OFF		
RETURN			
7. PRIVACY MASK	WINDOWS(0-15)	0-15	
MASK ENABLE	OFF/ON		
BLEND Y	0-15		
BLEND CR	0-15		
BLEND CB	0-15		
Y BLEND RATIO	0, 0.5, 0.75, 1		
TOP	0-2047		
BOTTOM	0-2047		
LEFT	0-4095		
RIGHT	0-4095		
MOSAIC	OFF/ON		
RETURN			
8. OUTPUT MODE	720P25/30/50/60FPS, 1080P25/30/50/60FPS		

Exit

EXIT			
EXIT&SAVE			
EXIT&RESTART			
RESTORE FACTORY			
9. EXIT	#		
EXIT			
EXIT/SAVE			
EXIT/RESTART			
RESTORE FACTORY			
Warning: The camera are only operated with regulative adaptor DC 12V. AC to DC non-regulative adaptor may cause camera damaged.			