

Emissions: - CE:
--EN55022
--EN55011
--FCC
--A7 CFR Part15 Subpart E
--ANSI C63.4

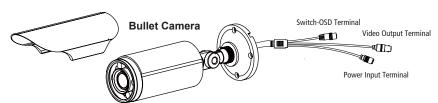
Immunity: - CE:
--EN55024
--EN50130-4



V531-BQ003-201

# **Parts and Descriptions**

### Sunhood



### Accessories

Screws X 4
Short screws X 4
Wall plugs X 4
Rubber sealing plug X1
Inner hexagon spanner X1
OSD control cable X1
Power lead X 1
Mounting base X1

### **Specifications**

General Specifications		
TV System	NTSC	PAL
Image Sensor	Sony 1/3" Super HAD-II Wide Dynamic	
Effective Picture	976(H) x 494(V)	976(H) x 582(V)
Scanning Frequency	60Hz	50Hz
Resolution	700 TVL	
Minimum Illumination	Day Mode 0.3Lux (F1.2,50IRE, AGC ON,IR Off), Night Mode 0 Lux (IR 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%	
Power Consumption	Normal: 2.6 W, IR On: 6.7W (Max)	
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Dimensions	φ 90.7*79.2*274.8 mm	

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	
Wide Dynamic Range (WDR)		OFF/ATR-EX/WDR	
High-Light Compensation (HLC)		ON/OFF	
Backlight Compensation (BLC)		Full Range	
AGC Gain Control		44.8 dB	
Day/Night		Support	
White Balance Control		ATW / Manual / Push / Push Lock / USER1,2	
Auto White Balance Range		Indoor: 1800K~10500K	Outdoor: 6500K~10500K
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	
IR Optimizer		ON/OFF	
IR LED Count		4 PCS	
IR Illumination Wavelength		850 nm	
IR Illumination Range		50 m	

# **Lens Specifications**

Lens Specifications			
Focal Length		2.8 ~ 12mm	
F-No.		F1.8	
Iris Range		F1.8 ~ F360C	
Minimum Object Distance		0.3 m	
	Diagonal	140° ~ 40°	
Field of View	Horizontal	100° ~ 32°	
	Vertical	72° ~ 24°	

### **Connection and Adjustment**

#### Precaution

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

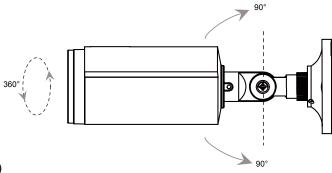
To prevent damage to your camera or injury to yourself or to others, read and comply with the safety precautions as follows:

- Never attempt to disassemble or modify the camera. Any modification could lead to damages that are not covered by the 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 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.

# Camera Installation

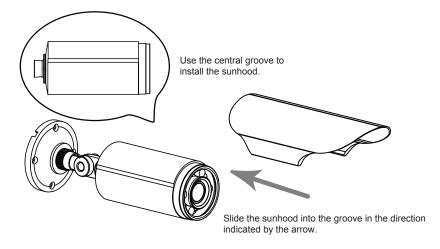


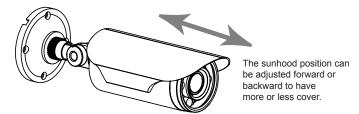
Screws can be loosened and the desired position can be adjusted. Loosen and tighten the screws by using a crosshead screwdriver.





To remove/install the sunhood, please follow the direction indicated below.

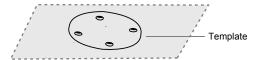






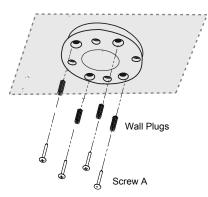
# Step1: Prepare the mounting area

Use the template to mark an appropriate mounting position on the ceiling, drilling to create apertures on a wall or ceiling.



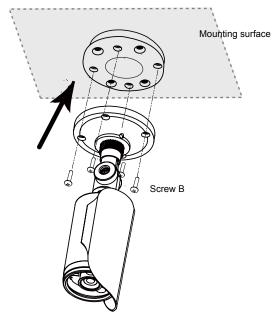
#### Step2: Mount the mounting base

Insert the wall plugs into the drilled holes and fix the mounting base onto surface by using screws "B" supplied in the accessories bag



#### Step3: Fix the camera onto mounting base

Secure the camera onto the mounting base by using screw driver to fasten screw "A".



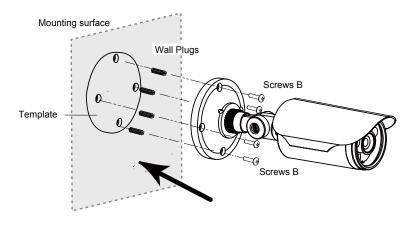
### Mounting on wall

Use the template to mark an appropriate mounting position on the ceiling,

drilling to create apertures on a wall or ceiling.

Insert the wall plugs into the drilled holes and install the camera to the mounting surface by fastening four screws.

Secure the camera on the mounting surface by using a screw driver.

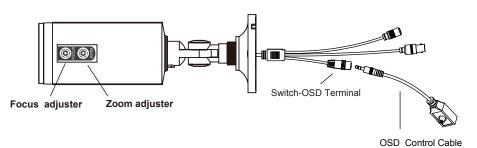


# **Connection and Adjustment**

### ■ Camera Adjustment

There is an adjustment mechanism on the top of the camera. Please use the Inner hexagon spanner attached in the accessories bag to make the adjustment of the zoom and focus to acquire the premium

Please use the OSD control cable supplied in the accessories bag to make the OSD adjustment.



Camera OSD Menu

