



VLB7IR

# Waterproof Infrared Illumination Camera

## Instruction Manual

Thank you very much for purchasing our product. Before operating this product, please read this instruction manual carefully to ensure proper use.

## 1. Safety Precautions



**CAUTION**  
RISK OF ELECTRIC  
SHOCK. DO NOT OPEN!



**CAUTION : TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT OPEN COVERS.  
NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED  
SERVICE PERSONNEL.**



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems).

- ◆ When in use, please avoid camera window directly contacting the eyes and do not touch the camera body, for it can be heated up to 70°C .
- ◆ When installing the camera, please avoid pointing it directly to paper or flammable materials.
- ◆ Although the camera is provided with tempered glass, please avoid all direct contact to eliminate contamination, and use cotton balls dipped in cleaning alcohol to clean the window.

## 2. Description

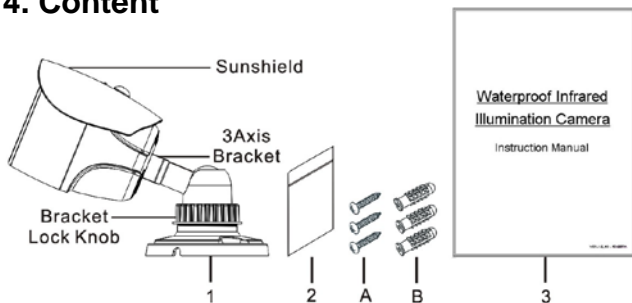
This inbuilt Infrared Illuminator camera uses a high sensitive interline transfer Charge Coupled Device (CCD) image sensor, and all state circuitry, which provides extremely long life and high reliability. This camera offers excellent image quality and functions with low lag and high burn resistance, and is not subject to distortions from magnetic fields.

Highly resistant to shock and vibration and easy to install, this camera is an excellent choice for your CCTV system.

### 3. Feature

- ◆ Built-in high quality CCD camera and high performance infrared illuminator module.
- ◆ Pixel number: NTSC=480K/ PAL=570K for ultra high resolution, NTSC=380K/ PAL=440K for high resolution, and NTSC=250K/ PAL=290K for normal resolution models.
- ◆ High sensitivity, low smear, excellent anti-blooming and high S/N ratio.
- ◆ Supports functions: Auto Electronic Shutter (AES), Auto Gain Control (AGC), Auto White Balance (AWB), Back Light Compensation (BLC), Flickless mode (FL), and Noise Reduction (NR function depends on model type).
- ◆ 3.6mm Built-in board Lens. and furnished with mounting bracket.
- ◆ DC type power request, low power consumption.
- ◆ Dual Window Structure to Prevent Reflection and Diffusion of Infrared Light.
- ◆ Furnished with mounting bracket and 3-Axis Concealed Cable Bracket.
- ◆ IP rating: IP68.

### 4. Content

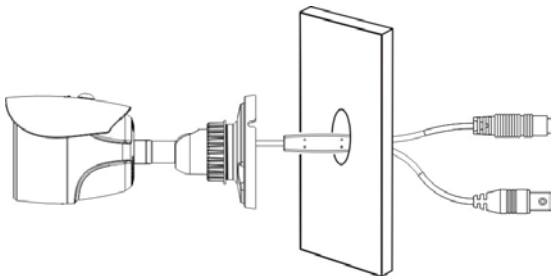


Item	Name of Part	Quantity	
1	Infrared Camera	1	
2	Appurtenances Bag	1	
	A	Fix Retaining Screw for Bracket	3
	B	Anchor	3
3	Instruction Manual	1	

## 5. Installation & Operation

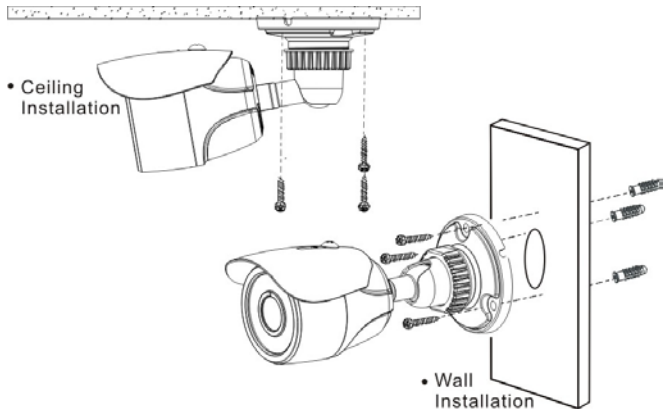
### 1. Install Preparation

Drill holes on wall if wires need to go through the wall.



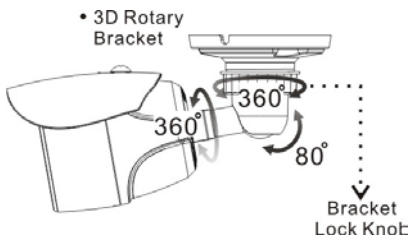
### 2. Install Camera

Use the 3 screws provided to attach the camera and bracket to the ceiling, surface or wall.



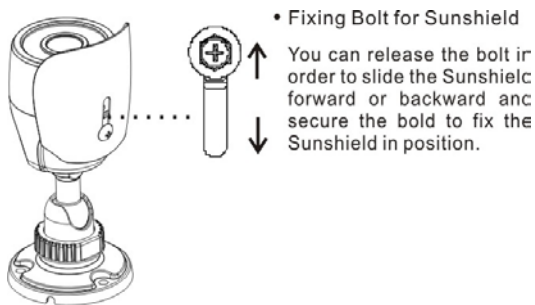
### 3. Adjust 3-Axis Bracket

Adjust the bracket while checking the view angle from the monitor. Loosen the bracket lock knob by turning counterclockwise, after adjusting the 3-Axis bracket (X-Y-Z Axis) to get the desired viewing angle, tighten the lock knob by turning it clockwise.



### 4. Install Sunshield

To install the sunshield, please follow the instruction shown below:



## 6. SPECIFICATIONS

According to the camera purchased, select and refer to the appropriate specification below:

Image Device	1/3" SONY SUPER HAD II	
Pixel Elements	NTSC: 976x494 PAL: 976x582	
Resolution	700 TVL	
Min Illumination	0.01Lux/ F1.2	
S/N Ratio	More than 48dB	
Electronic Shutter	NTSC: 1/60S~1/100,000S PAL: 1/50S~1/100,000S	
Gain Control	Auto	
White Balance	Auto	
Scanning System	Interlace 2:1	
Gamma	0.45	
Lens Furnished	3.6mm Board Lens	
Sync. System	Internal	
Video Output	1Vp-p/ 75 Ohms	
Power Supply	DC 12V±10%	
Power Consumption	IR OFF	90mA max.
	24 IR LED ON	340mA max.
<b>Infrared Illuminator Module</b>		
Infrared Luminary	24 IR LED	
Wavelength	850nm	
Illuminant Distance	20M (24 IR LED)	
Power Supply	DC 12V±10%	
Power Consumption	3 W (24 IR LED)	
<b>System Device</b>		
Operating Temp.	-10 °C to 50°C(14F to 122F)	
Construction	Aluminum Case	
IP Rating	IP 68	
Dimensions	φ53x58 (L) mm (Body only)	

*(Note: Design and specifications are subject to change without prior notice.)*