



**OUT OF SIGHT.
PEACE OF MIND.**

Indoor / Outdoor
IR Night Vision Camera

Instruction Manual

Thank you for purchasing our product. Before **installing** this **camera**, 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 (158 °F).
- ◆ 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

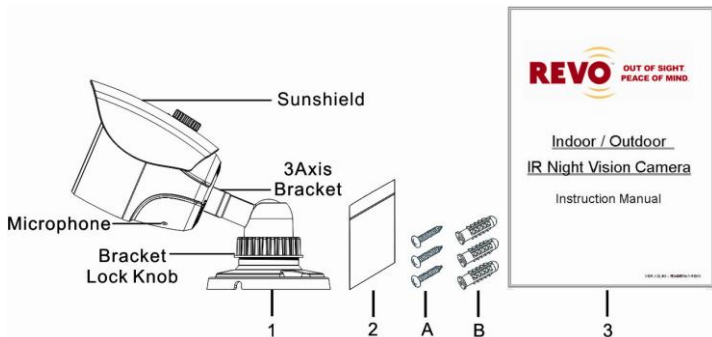
This **Infrared Illuminator camera** uses a high sensitive 1/3" (1/4") interline transfer Charge Coupled Device (CCD) image sensor, and all state circuitry, which provides extremely long life and high reliability. This camera offers excellent image quality and functions with low lag and high burn resistance, 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.
- ◆ Total pixels of sensor: NTSC=380K / PAL=440K pixels.
- ◆ 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), and Flickless mode (FL).
- ◆ Special functions: Mirror (Option), Positive/Negative (Option).
- ◆ Built-in board Lens and furnished with mounting bracket.
- ◆ DC type power request, low power consumption.
- ◆ Dual Window Structure .
- ◆ 3-Axis Concealed Cable Bracket.
- ◆ Waterproofing criterion: [IP66](#).

4. Content

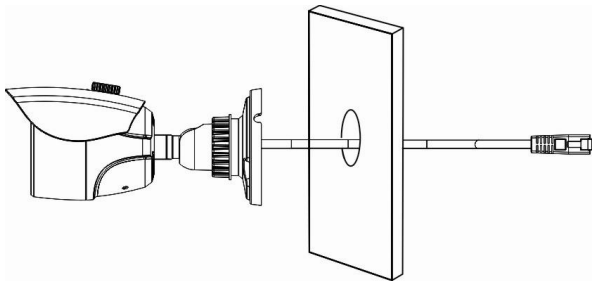


Item	Name of Part	Quantity	
1	Infrared Camera	1	
2	Bag	1	
	A	Fix Retaining Screw for Bracket	3
	B	Anchor	3
3	Instruction Manual	1	

5. Installation & Operation

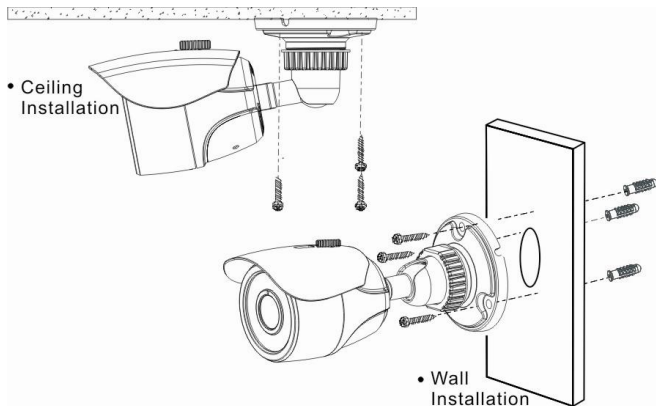
1. Install Preparation

Drill hole in wall if wire needs to go through the wall.



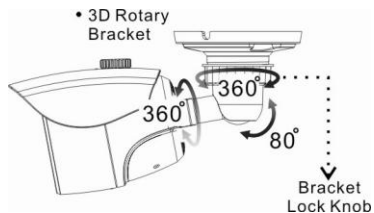
2. Install Camera

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



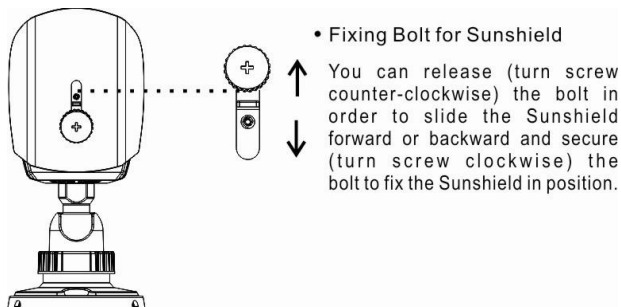
3. Adjust 3-Axis Bracket

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:

Model No.		RCBY24-1	RCBY12-1
Image Device		1/3" Color CCD (Sharp Chipset)	
Picture Elements		NTSC: 768x494 PAL: 752x582	
Resolution		540 TVL	
Min Illumination		0.02Lux/ F1.2 (Day) 0Lux (IR On)	
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	
Gamma		0.45	
Lens Furnished		Board Lens	
Sync System		Internal	
Video Output		1Vp-p/ 75 Ohms	
Power Supply		DC 12V±10%	
Power Consumption	IR OFF	75mA max.	
	24 IR LED ON	355mA max.	
	12 IR LED ON	215mA max.	
Infrared Illuminator Module			
Infrared Luminary		24 IR LED	12 IR LED
Wavelength		850nm	
Illuminant Distance		20 M	10 M
Power Supply		DC 12V±10%	
Power Consumption		3.4 W	1.7 W
System Device			
Operating Temp.		-10°C to 50°C (14°F to 122°F)	
Construction		Aluminum Case	
Waterproofing Criterion		IP 66	
Dimensions		φ 53x58 (L) mm (Body only)	

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