

Super High-Resolution Night Vision Camera

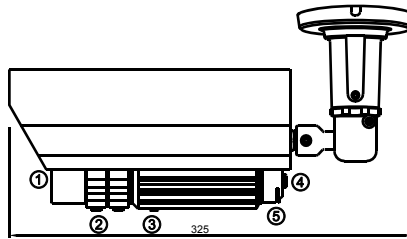
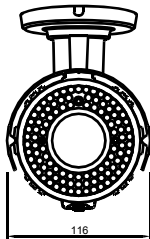
General Specifications



- High Resolution of 550 TV Lines
- Built in ICR(IR Cut Filter Removable) will shift automatically according to different light levels
- Delay Time, Sensitivity, AGC, BLC, ELC, FLK, MIRROR on/off Setting Function
- External Zoom and Focus Adjustment
- DWS (Dual Windows Structure) Layout for Scattered Reflection
- Built in 5mm ~ 50mm DC IRIS IR Vari-focal Lens(F1.4)
- Built in 100 IR LEDs & cooling fan & Weather-proof housing
- Built in External Video Output Terminal
- Vandal-proof case with Poly Carbonate & Hard Coating front Glass
- Illuminating Distance : Max. 70m Outdoor



Outline



- ① - DWS(Dual Window Structure)
- ② - External Zoom and Focus Adjustment
- ③ - Dip Switch
- ④ - External Video output Terminal
Illuminator Combination Cable (Option)
- ⑤ - Cooling Fan

Specifications

Model	BIPRO-CX550VF	BIPRO-CX420VF
Image Device	1/3" Sony Super HAD CCD	
Scanning System	NTSC: 525Line, 60Field / Sec, PAL: 625Line, 50Field / Sec	
Sync System	Internal Synchronization	
Number of Pixels	NTSC: 811(H) X 509(V), PAL: 7756(H) X 596(V)	
Horizontal Resolution	550TV Lines	420TV Lines
Video Output	1Vp_p 75Ω, Negative	
S/N Ratio	More then 45dB (AGC Off)	
Gamma Characteristic	0.45	
White Balance	Auto White Balance (AWB)	
B.L.C	Back Light compensation (Auto)	
Minimum illumination	0.1 lux in day time / 0 lux at night time	
Lens Mount	5~50mm((10X) DC Iris IR Vari-focal Lens	
Number of Infrared LED	100ea Infrared Leds	
Wave Length	850nm	
Angle of Infrared LED	20° and 45° Combinations	
Illuminate Distance	Max.out-door 70m	
Power Supply	DC 12V 1450mA	
Operating Temperature	-10°C ~ 45°C	
Weight	Approx 1.89 Kg	

Picture Description of & Dip Switch

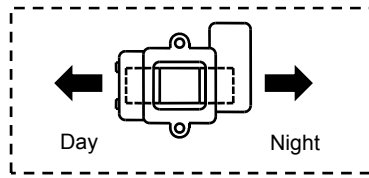


LEVEL 1 2 3 4 5 6 7

LEVEL – Brightness adjusting function

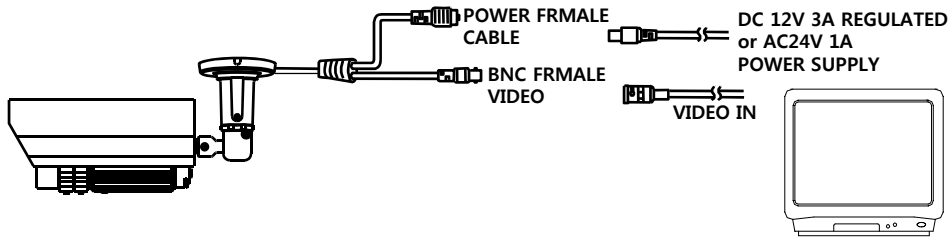
1. BLC – Back Light Compensation (ON/OFF)
2. ALC / ELC – Auto Light Compensation (ON:ELC OFF:ALC)
3. FLK – Flickerless (ON/OFF)
4. AGC – Auto Gain Control (ON:MAX OFF:MIN)
5. MIRROR – ON/OFF
6. TIME – Hold Mode (ON:5sec OFF:10sec)
7. SENSITIVITY – “CDS” Sensor Level Control
ON : LED ON(1LUX) / LED OFF(5LUX)
OFF : LED ON(2LUX) / LED OFF(4LUX)

ICR (IR Cut Filter Removable)

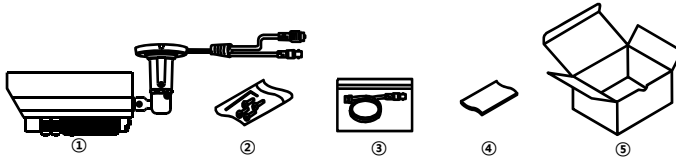


Built in IR Cut Filter will shift automatically according to different light levels.

DIY CABLE CONNECTION



PACKING



No	DESCRIPTION	REMARK
⑤	UNIT BOX	
④	MANUAL	
③	VIDEO CABLE	
②	SCREW/WRENCH	
①	CAMERA	

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions :

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note - This equipment has been tested and found to comply with the limits for a Class A Digital device, Pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Warning - This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Changes or modifications not approved by the manufacturer will void the manufacturer warranty and may cause harm to the operator.

- Caution -**
1. A regulated DC 12V 3A power supply is recommended for use with this camera for the best picture and the most stable operation.
 2. It is recommended that the camera is used with a monitor that has a CCTV quality 75 video impedance level. If your monitor is switched to high impedance then please adjust accordingly.
 3. Do not attempt to disassemble the camera to gain access to the internal components. Refer servicing to your dealer.
 4. Never face the camera towards the sun or any bright or reflective light, which may cause smear on the picture and possible damage to the CCD
 5. Do not remove the serial sticker for the warranty service