

## Specification

### © Color Weatherproof Vari-Focal Infrared Camera

Item	VC-CA-IR120	
Description	1/3" Color High Resolution Weatherproof Vari-Focal Infrared Camera	
Pick up Element	Sony Super-Had CCD Image Sensor	
Number of Pixels	<NTSC> 768 (H) × 494 (V) <PAL>752(H) × 582 (V)	
Back Light Compensation	ON	
Auto Electronics Shutter	ON	
Line Lock	ON	
AGC	ON	
ATW	ON	
Sync. Mode	Internal Sync.	
Scanning System	2:1 Interlace	
Resolution	550TV Lines	
S/N Ratio	More than 48dB	
Gamma	0.45	
Minimum illumination	0.5 Lux, F 1.4 (0 Lux with IR)	
Infrared LED	Quantity	28
	Peak Wavelength	850nm
	Beam Spread	25° (f=4mm), 30° (f=6mm), 35°(f=8mm)
	Radiant Distance	25 meters (at least)
Horizontal Sync. Frequency	<NTSC> 15.734 KHz <PAL> 15.625KHz	
Video Output	1.0 Vp-p, 75 ohm	
Power Source	AC/DC(12~24)V	
Power Consumption	12W	
Operating Temperature	-10°C to +60°C	
Waterproofing Criterion	IP66	
Lens Amount	4.0mm~9.0mm Auto Iris Vsri-Focal Lens	
Shutter Control	<NTSC> 1/60-1/100,000 sec. <PAL> 1/50-1/110,000 sec.	
Dimension	280 (L) × 115(Ø) mm	
Net Weight	1.6kg	

\* 2 m Video and Power leads.

\* Specifications are subject to change without prior notice.

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## INSTRUCTION MANUAL of COLOR WEATHERPROOF INFRARED CAMERA



Before operating this unit, please read this manual thoroughly and retain it for future reference.

CE FC ISO 9001:2000

## General:

See clearly in darkness areas with this Out-door Infrared Camera is the best choice. Color in day time, and switch to black & white at night automatically. Minimum illumination is 0 Lux at F1.4 (with IR). It features weatherproof, backlight compensation, auto electronics shutter and white balance. Moreover, the compact and fashionable design is suitable for any place.

This Camera has 1/3" CCD with high resolution. There are 28 long-distance LEDs inbuilt for Vari-Focal Model, visible distance is at least 25 meters. The Plug and Play cables with BNC connectors make installation simple. This unit equips with power AC/DC (12~24)V, and gives a wide variety of automatic features.

## Precautions:

- Do not point the camera lens toward the sun or other strong light.
- Use AC 110V or AC 220V power supply.
- Be careful while handling or installing the camera. Do not drop it or subject it to strong shock or vibration to prevent damages to it.

When using adaptors, be sure to choose the following types:

- (1) DC 12V 2A
- (2) DC 15V 1.5A
- (3) DC 18V 1A
- (4) AC 24V 800mA

- Adaptor of AC 24V 800mA is most recommended because it has the least power consumption.
- If extending power cord is necessary, be sure to use the cord with more than 50 cores inside.

## Installation Instructions:

To connect the camera's power and video as the following:

- Connect AC power on.
- Connect the BNC Video Output to the desired video line.
- It's not recommended to take apart the camera unless the lens has to be adjusted.
- Ensure the camera casing is tightened once the adjustment is done.
- No additional equipment is required while operating camera with low light.

## Camera Layout

© 1/3" Color Weatherproof Vari-Focal Infrared Camera (Unit: mm)

