

# Weatherproof Day/Night CCD Color Camera operating instruction

Model No. CAM53CIR

Thank you for your purchase of this product. Before operating the unit, please read this instruction manual carefully to ensure proper use of the product. Please store this instruction manual in a safe place for future reference after you have read it..



## CAUTION FOR SAFE OPERATION

1. Be sure of power supply at DC12V ± 1V.
2. Connect cables according to instruction. Wrong connection may cause malfunction and/or damage to the camera.
3. Do not expose lens directly to the sunlight or dazzling object. CCD can be damaged.
4. Do not install at extreme warm or cold place.  
(Recommended operation: -20°C ~ 50°C / -4°F ~ +122°F)

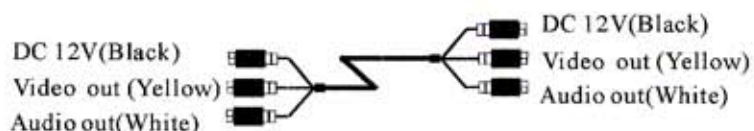
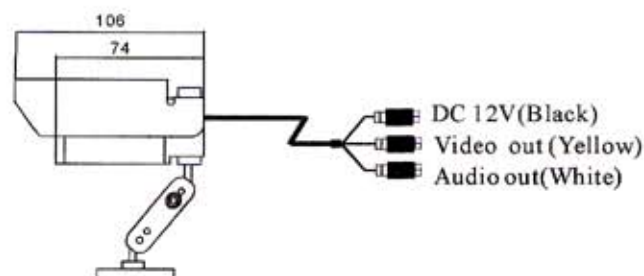
## FEATURES

1. IR LED: 20 unit infrared LEDs, IR LEDs turn on automatically in dark (lower than 1 lux)
2. IP55 Standard. For any harsh environment.
3. Water, dust and crush resistant glass coating make sure of clear and vivid image before you.
4. Use special material to isolate ultra-violet. Ensure of long time and stable working.

**Do not attempt to disassemble or repair the unit by yourself. Please refer all servicing to qualified service personnel !**

## INSTALLATION

Please Connect cables according to below instruction



## SPECIFICATIONS

TV System	NTSC	
Image Sensor	1/3-inch SONY CCD sensor	
Sync System	Internal	
Mini Illumination	0LUX (Infrared LEDs Turn On)	
Resolution	420 TV Line	
White Balance	Mode	AUTO
	Range	3200 ~ 10000 °K
Gain Control	AUTO	
S / N Ratio	>50dB (AGC OFF)	
Electronic Shutter	1/50~1/12,000 sec.	
Auto Iris	A.E.S.	
Video out	Composite output 1.0V p-p at 75 ohm	
Gamma Correction	0.45	
Lens	3.6mm	
Infrared wavelength	850nm	
IR range	18m 45°	
Operation Temp.	-0°C ~ 50°C	
Dimensions	105mm(L) × Φ 50mm	
Power Supply	DC12V ± 1V / 210mA	

\* Design and specifications are subject to change without notice.