

Thank you for choosing this high quality camera, before attempting to connect or operate this product, please read these instructions completely the instruction carefully.

COLOR CCTV CAMERA OPERATING MANUAL

SPECIFICATION	
Pick up Element	1/4" Color CCD image sensor
Number of Pixel	512(H)x492(V) <NTSC> / 512(H)x582(V) <PAL>
Resolution	350 TV lines
Min. Illumination	2 Lux / F2.0; 0 Lux (10 meter IR ON)
S/N Ratio	More than 48dB (AGC off)
Electronic Shutter	1/60(1/50) to 1/100,000 sec.
Gamma Correction	0.45
White Balance	Auto white balance
AGC	Yes
Standard Board Lens	F4.0mm / F2.0
Lens Angle	61°
Video Output	1.0 Vp-p composite, 75Ω
Power Source	DC12V ± 10%
Current Consumption	90 mA (IR OFF), 240 mA (IR ON)
Water Resistance	IP 57
IR LED	12 units Infrared LED
Effective Range	Over 10 Meters
Dimension (mm)	64.6 (Ø) x 105 (L)
Weight	550 g

WARNING:
Please use correct power adaptor, DC12V (regulated) to operate this unit. It's not recommended to use input DC power voltage larger or less than DC12V. If the input DC power voltage is larger than DC12V, it may reduce the IR LED life time. If the input DC power voltage is less than DC12V, it may reduce the IR LED effective distance

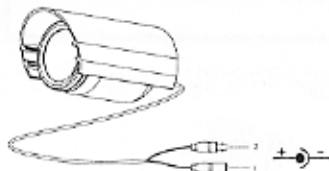
General

This is a 1/4" Color CCD video camera employs a 1/4" Color charge coupled device solid-state imaging device which provide extremely long life and high reliability. The camera offers excellent reproducibility with low lag and high burn resistance, and is not subject to distortion from magnetic fields and the camera functions reliability in wide temperature range.

Features

- 1/4" Color CCD image sensor
- 350 TV lines.
- 2 Lux / F2.0, 0 Lux (10 meter IR ON).
- Water Resistance: IP 57
- IR LED: 12 units Infrared LED
- Effective Range: Over 10 Meters
- Automatic IR trigger-on under low illumination
- Automatic IR off under normal illumination

Major operating controls and functions



1. DC12V Input Terminal
This terminal is for connecting the 12V DC regulated power supply cord.
2. Video Output Connector (VIDEO OUT)
This is connector is for connecting with the VIDEO IN connector of the video monitor.

Connections

1. Connect a video terminal of the camera (VIDEO) and the video input terminal of the video monitor with a 75Ω coaxial cable.
2. Connect the power terminal of the camera to a 12V DC regulated power supply.

Standard Accessories

1. Bracket x 1 pc
2. Instruction manual x 1 pc.

CAUTION

1. Please use correct power adaptor, DC12V (regulated), to operate this unit. The power tolerance of this unit is DC 12V ± 10% (DC10.8V-13.2V), over maximum DC13.2V power input will damage this unit.
 2. Video output (BNC connector) of this unit can be only connected to monitor. Please check the wiring of video output before power on. If the power is offered through video output, the unit will be damaged.
1. 請使用正確電源供應器 (DC12V 穩壓), 此產品可使用電壓範圍為 DC 12V ± 10% (DC10.8V-13.2V), 超過 DC13.2V 會損壞此機器。
 2. 此產品 "Video" BNC 接頭直接接監視器, 在提供電源前, 請確認接線正確性。若電源自 "Video" BNC 接頭處輸入會損壞此產品。
1. 本機に使用する電源装置は DC 12V ± 10% (DC10.8V-13.2V) の安定化電源をお使い下さい。13.2V 以上の電圧を加えると本装置が破損いたします。
 2. 本装置の映像出力 (BNC 接続) は、電源を入れる前にモニターに接続されている事を確認して下さい。もし、電源が加わると破損する可能性があります。
1. Por favor use el correcto adaptador de energía eléctrica DC12V (regulado) para operar esta unidad. La tolerancia de energía de esta unidad es de DC12V ± 10% (DC10.8V-13.2V). Sobrepasar el máximo de DC13.2V de la potencia de entrada dañara esta unidad.
 2. La potencia de salida del video (Conector BNC) de esta unidad puede solo ser conectado al monitor. Por favor revise los cables del video antes de encenderlo. Si la energía es dada por la potencia de salida del video, la unidad se dañara.
1. Bitte schließen Sie das Gerät mit dem Netzgerät (DC12V) an. Die Toleranz der Stromversorgung ist 12V DC ± 10% (DC10.8V-13.2V). Abweichende Werte können zu Beschädigungen am Gerät führen.
 2. Verbinden Sie den Video-Ausgang (BNC-Anschluß) mit dem Video-Eingang des Monitors. Bevor Sie die Spannungsversorgung einschalten, überprüfen Sie bitte den korrekten Anschluß des Video-Ausgangs. Falsche Anschlußbelegungen können zu Beschädigungen an den Geräten führen.