

CMOS CAMERA

YOUR RELIABLE HIGH PERFORMANCE CAMERA

USER'S MANUAL

1. DESCRIPTION

* Thank you very much for purchasing our qualified Color / B/W Mini Camera product.

This Color / B/W Mini Camera uses high sensitive interline transfer CMOS Image Sensor (CMOS= Complementary Metal Oxide Semiconductor), and all state circuitry which provides long life and high reliability. This Camera offers excellent image quality with low lag and high burn resistance, and is not subject to distortions from magnetic fields. High resistance to shock and vibration, and easy to install, this Camera is a very good choice for your Color / B/W CCTV system.

2. MAIN FEATURES

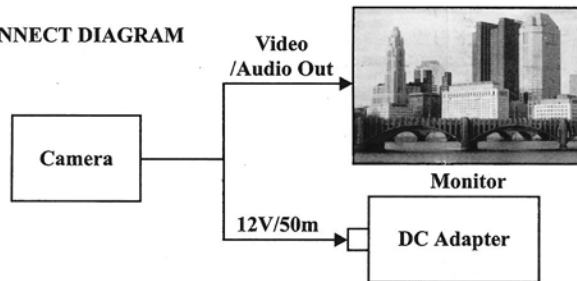
- Image Pick-up Device use U.S.A high sensitive CMOS sensor
- Pixel array (H x V): 510*492 (250K) for PAL/NTSC, illumination: Color 1.5Lux (Min.3Lux at F1.2), B/W 0.5Lux <0Lux (with infrared tube)>
- Storage temperature: -30° – 60° / Working temperature: -10 – 45°
- I²C bus function: color saturation, brightness and contrast ratio, self balance, exposure time and two times again

- S/N Ratio: more than 48dB, Video output: 1Vp-p 75 ohm, Audio output: 325mV/22Kohm
- Power adapter: 220V, DC12V, 50mA

3. CAUTIONS ON HANDLING AND INSTALLATION

- Be careful, never let any water in this equipment.
- Please do not directly touch the CMOS element. If necessary, use soft cloth moistened with alcohol to wipe off the dust.
- When any abnormal occur make sure to unplug the unit and contact your local dealer.
- Please be extra careful not to shake the Camera and avoid places where frequent vibrations or shocks
- Please avoid places where there is direct sunlight and temperatures exceed 50 degrees or more, high humidity or where direct rain drops hit.
- If during the night, the minimum brightness of 0.5 Lux can not be achieved, install appropriate light fixtures.
- When the Camera is not used, keep the lens or the lens cap attached to protect the CMOS Sensor.

4. CONNECT DIAGRAM



5. DOME COVER INSTALLATION AND WIRING INSTRUCTION

- STEP 1: Remove the Dome Cover.
 STEP 2: Secure Dome Camera in the desired ceiling position with the 3 screws as shown in figure 1.

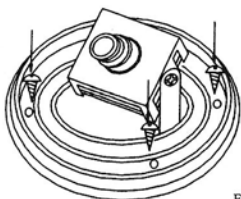


Figure 1

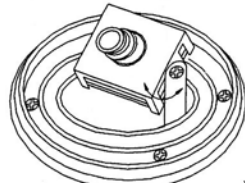


Figure 2

- STEP 3: The vertical angle can be adjusted by loosening the 2 screws as shown in Figure 2 and by turning the Camera Case vertically.

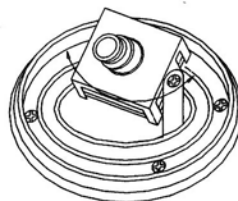
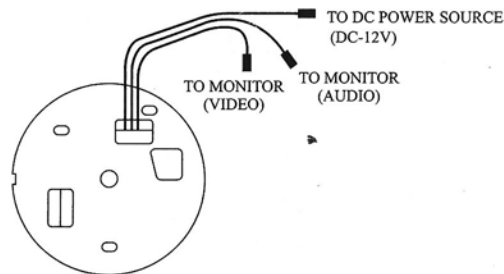


Figure 3

- STEP 4: The horizontal angle can be adjusted by loosening the screw on the bottom of the unit in Figure 3 and by turning the Camera Platform horizontally.



- STEP 5: Connect the coaxial cable between the camera and the monitor using two 75 Ohm coaxial cables.

- STEP 6: Connect the DC plug to the DC jack.

6. PRODUCT SPECIFICATION

Spec. And Model	B/W Camera	
Performance Index		
Resolution Ratio	320 line	
Programmable I2c Bus Function	Color saturation, brightness and contrast ratio, self balance, exposure time and 2 times gain	
Illumination	0.5Lux [oLux (with infrared tube)]	
Output Standard	CCIR/EIA(PAL/NTSC)standard video signal	
Lens Focus And Visual Angle	4.0mm 85°	
Automatic Shutter	1/60 second - 1/15,000 second	
Supply Voltage / Consumed Power	12v 90mw	
Functions	Automatic exposure control, automatic gain control, automatic balance adjustment External frame synchronization, aperture adjustment, Gamma adjustment	