EVERFOCUS

Color Dome Camera
Operation Instructions

Model No. **ED200**

Please read this manual first for correct installation and operation. This manual should be retained for future reference. The information in this manual was current when published. The manufacturer reserves the right to revise and improve its products. All specifications are therefore subject to change without notice.

PRECAUTIONS

1. Do not have camera immersed in water.
2. Do not disassemble it or place it on an unstable base.
3. Do not touch the surface of CCD sensor by hand directly.
4. Never face the camera toward the sun.
5. Use proper power source otherwise the camera will not function correctly.
6. Use the camera at temperatures within $0°C \sim 50°C/32°F \sim 122°F$ and humidity between 20%~80%. The input power sources is 12VDC only.

PREFACE

The ED200 Series Camera is a compact, full functioned CCD Camera.   Their stylish appearance can be applied as per installer's ideal locations.   These dome cameras can be mounted either on the ceiling or on the wall easily.   ED200 uses high sensitive 1/3" color interline transfer CCD sensor with DSP. The sensor is featured with Auto Electronic Shutter, Automatic Gain Control, and Auto White Balance function.

FEATURES

- Designed with advance digital signal processing circuitry for high image quality
- The high sensitivity is achieved by using 1/3" SONY Super HAD interline transfer color CCD
- Built-in vari-focal type, mechanical auto iris lens
- Built-in fixed lens
- Able to adjust the viewing range with manual zoom lens (for vari-focal lens only)
- Back Light Comp., Auto Gain Control and Auto White Balance functions
- Compact size: 108 mm O.D. x 80 mm H / 4.3" O.D x 3.2" H
- System available for NTSC or PAL

STANDARD ACCESSORIES
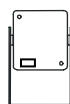- Camera Unit
- Operation Instructions (this document)

LENS AVAILABLE

* Standard board lens f=3.6 mm, F=2.0 mm.
* Other available lens : 2   Lens f=2.5 mm, F=2.0 mm
                         4   Lens f=4.3 mm, F=2.0 mm
                         6   Lens f=6.0 mm, F=2.0 mm
                         8   Lens f=8.0 mm, F=2.0 mm
                         3P Pinhole lens f=3.7 mm, F=3.0 mm

INSTALLATION

1. Remove the plastic dome cover.
2. Loosen the two screws of the supporting bracket to remove the camera body.
3. Using four screws to fix the camera base on the ceiling.
4. Put the camera body back to the supporting bracket, the connector of the back panel should always be placed to camera's left lower corner, in order to obtain the image of best quality. Tighten the 2 screws to fix the camera. Please refer to the back panel diagram shows as below:

a. Floor Mount   b. Ceiling Mount

c. Wall mount, aim to the right   d. Wall mount, aim to the left

5. Connect the BNC connector of the camera to a color monitor, or other video device through a 75 ohm type coaxial cable with BNC female connector at cable extension.

6. Connect the DC +12V regulated power source of the camera (DC Jack) to the DC 12V Power-in jack with 2 mm, center+, outer- plug.

7. Once the image appears on the monitor, loosen the fixing screw located at the lens mount then adjust the focus and diaphragm of the lens to obtain the best picture. When the ideal picture is obtained, secure the lens mount by fixing screw firmly again.

8. Put the plastic cover back on the Dome Camera.

SPECIFICATIONS

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC or PAL
Scanning System	NTSC: 525 TV lines, 60 fields/sec PAL: 625 TV lines, 50 fields/sec.
Picture Elements	NTSC: 510(H) x 492(V); PAL: 500(H) x 582(V)
Horizontal Resolution	380 TV Lines
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50(1/60)~1/100,000
Lens Type	f=2.5mm; f=3.6mm; f=4.3mm; f=6.0mm; f=8.0mm; f=12.0mm; f=16.0 *Lens models and availability vary in different regions
Back Light Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75ohm
Sync. Mode	Internal sync
Power Source	12VDC
Power Consumption	12VDC 1.5W max
Dimensions	108 mm (O.D.) x 80 mm (H) ; 4.3" (O.D) x 3.2" (H)
Weight	0.3kg ; 0.7 lbs
Operating Temperature	0°C~50°C ; 32°F~122°F (20%~80% Humidity)
Certifications	FCC/CE

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