



# EVERFOCUS

## 1/3" Color Smoke Detector Camera Operation Instructions

Model No. **ESD200**

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 ~ 50°C/32°F~122°F and humidity between 20%~80%. The input power sources is 12VDC only.

## **PREFACE**

ESD200 is a smoke detectors built with color CCD cameras for discreet surveillance. It comes with color CCD camera that delivers clear and sharp picture for side viewing; and it is easy to change different lenses to adopt the best view angles for security need. ESD200 can simultaneously install up to 4 cameras, which is most economic and effective for video surveillance.

## **FEATURES**

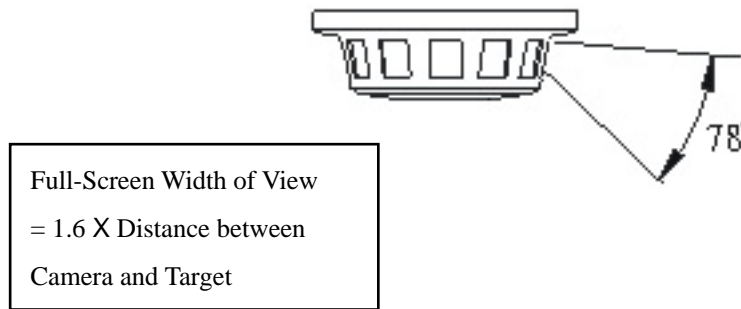
- Designed with advance digital signal processing circuitry for high image quality
- The high sensitivity is achieved by using 1/3" SONY Super HAD interline transfer color CCD
- Built-in fixed lens
- User can simultaneously install up to 4 cameras for a complete 360° surveillance
- Back Light Comp., Auto Gain Control and Auto White Balance functions
- Compact size: 150 mm x 50 mm ; 6" x 2"
- Models available for NTSC or PAL

## **STANDARD ACCESSORIES**

- Camera Unit
- Operation Instructions (this document)

## INSTALLATION

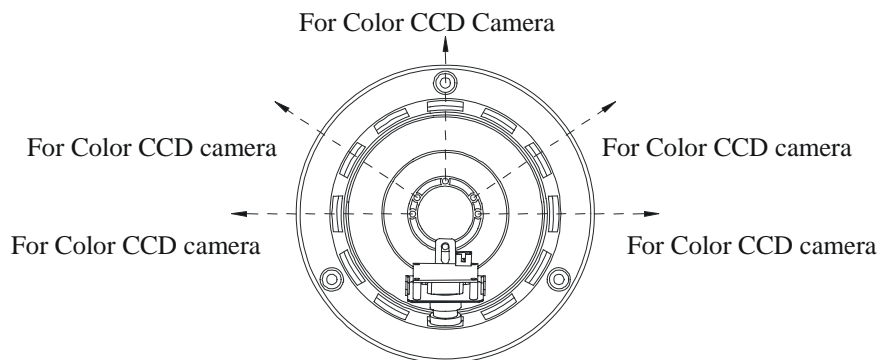
- ❶ The horizontal view angle of the Smoke Detector Camera is 78-degree. Decide the location to install the camera.



- ❷ Inspect the package contents to make sure that no damage occurred during shipping.
- ❸ Plug in the attached video and power cable to the camera connector.
- ❹ Connect the video output 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.
- ❺ Connect the 12VDC regulated power source of the camera to the 12VDC Power-in jack with 2 mm, center+, outer-plug.
- ❻ Adjust the direction of the lens as per needed.

## INSTALLING MORE CAMERAS

- ❶ The following diagram shows the location for the other cameras.



- ❷ Fix the camera by the screw. Tear off the black paper of the corresponding view window where the lens faces to.
- ❸ Repeat steps 3 to 6 in the Installation Instructions.

## 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 x 492; PAL: 500 x 582
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=4.3mm; f=6.0mm; f=8.0mm *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	150 mm(O.D.) x 50 mm(H) ; 6"(O.D.) x 2"(H)
Weight	0.1kg ; 0.22 lbs
Operating Temperature	0°C~50°C ; 32°F~122°F (20%~80% Humidity)
Certifications	FCC/CE

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