

ENFORCER Color CCD IR Day/Night Dome Camera Manual

TROUBLE SHOOTING

Screen is blank	• Check that the dome camera is powered up. • Check that the monitor is powered up. • Check that the video cable connecting the camera to the monitor is connected properly.
Screen image is dim	• Clean the lens (using a soft, clean cloth). • Did IR LEDs switch ON? If not, then see IR LED note below.
Screen image has poor contrast	• Adjust monitor's contrast knob. • Change camera position. • Adjust lighting.
Screen image flickers	• Could be interference. Change the position of the monitor or camera. • Check for loose wires or cables.
Screen image is distorted	• Could be interference. Change the position of the monitor or camera.
Camera case is hot	• Check that the correct power supply (12VDC) is in use.
Excessive reflection from the dome	• Pull the rubber ring around the lens out further so it touches or almost touches the inside of the dome.
Image goes to black/white	• Normal under no-light conditions. If it happens under good lighting, the light sensor is not functioning correctly. Check to see if the photocell is blocked somehow.
IR LEDs do not turn on	• Check that the correct power supply (12VDC, min. 300mA) is in use.
IR LEDs stay on continuously	• Check that the photocell is not blocked.

WARNING

- Stop using the camera if you see a malfunction like smoke or unusual heat, as it could cause fire or electric shock. Do not open the case of this device, as there are no field-serviceable components inside.
- This product was designed for indoor use only. Mounting outdoors or exposure to rain or moisture could cause a dangerous electric shock, damage the device, and void the warranty. Do not open the case of this device, as there are no field-serviceable components inside.

FCC COMPLIANCE STATEMENT

Information to the user: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WARRANTY

ENFORCER IR Cameras are warranted against defects in material and workmanship while used in normal service for a period of one (1) year from the date of sale to the original customer. Our obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation pre-paid, to SECO-LARM.

NOTICE

The information and specifications printed in this manual are current at the time of publication. However, the SECO-LARM policy is one of continual development and improvement. For this reason, SECO-LARM reserves the right to change specifications without notice. SECO-LARM is also not responsible for misprints or typographical errors.

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ENFORCER[®] VIDEO

MANUAL

EV-1223CD4

Sony 1/3" CCD Color IR Day/Night Dome Camera



SLI[®]
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ENFORCER COLOR CCD IR DAY/NIGHT DOME CAMERA Manual

Specifications

	EV-1223CD4 (NTSC)
Type	IR Day/Night Color Dome Camera
Chip	1/3" Sony CCD
Resolution	380 TV lines horizontal
Pickup elements	542 x 492 pixels
Scanning system	2:1 interlace V: 60Hz, H: 15.734KHz
Sync	Internal
Video output	1 Vp-p composite output, 75 ohms
Lens	4.3 mm (lens included)
Minimum illumination	0.3 lux (LED off), 0 lux (LED on)
White balance	ATW 2500°-9500°K
IR distance	30-50ft. (10-15 Meters)
IR LEDs	LED x 6pcs
IR Status	Under 10 lux by CDS auto control
IR viewing angle	Viewing angle: 80°, Beam spread: 20° per LED
IR wavelength	850nm
LED life	More than 20,000 hours
Gamma correction	0.45
S/N ratio	Over 48dB
Shutter control	Auto Electronic Shutter (AES), 1/60~1/100,000 sec.
Backlight compensation	Automatic
Gain control	Automatic
Power source	12VDC (+/- 10%)
Current drain	LED on: 280mA, LED off: 100mA
Ambient temperature	-4° ~ 122°F (-20°~50°C)
Dimensions	3 1/2" x 3 1/4" (89 x 83 mm)
Weight	6.4 oz.

BEFORE STARTING

1. This product was designed for indoor use only. Do not mount the CCTV camera where it is exposed to rain or other moisture, or in humid or dusty places.
2. Do not point the CCTV camera at the sun. Heat could damage the camera, even when not in use.
3. Do not mount the CCTV camera in areas exposed to radiation, strong magnetic fields, or strong electrical signals.*

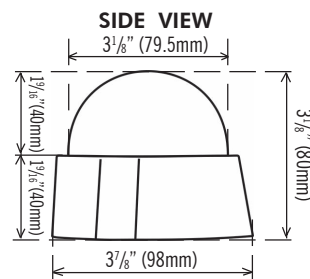
4. Do not open or disassemble the camera. There are no user-serviceable parts inside.
 5. Do not drop the camera or subject it to strong vibrations.
- * Note: Many video monitors produce strong electromagnetic fields close to the display CRT, especially when the monitor is turned on or during de-Gaussing, which occurs automatically with many monitors when the monitor is turned on.

IMPORTANT

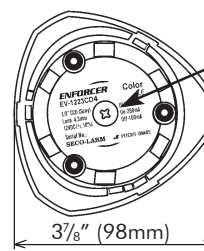
Users and installers of this product are responsible for ensuring this product complies with all national, state, and local laws and statutes related to monitoring and recording audio and video signals. **SECO-LARM** will not be held responsible for the use of this product in violation of any current laws or statutes.

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Dimensions

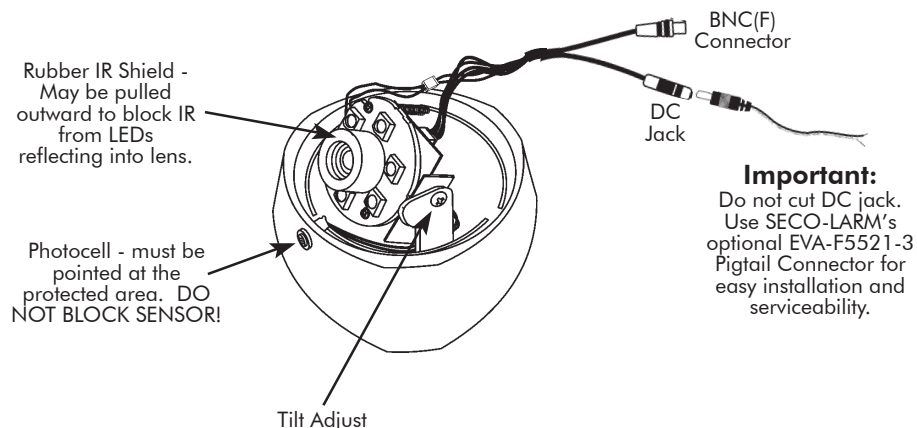


BOTTOM VIEW



Parts List

- 1 x Dome camera
- 3 x Mounting screws
- 1 x Manual



INSTALLATION

1. Remove the dome. Be careful not to scratch the dome. DO NOT TOUCH ANY OF THE ELECTRONIC COMPONENTS ON THE CIRCUIT BOARD.
2. Connect the camera to a video monitor via a video cable.
3. Temporarily connect the camera to a 12VDC power source.
4. Hold the base of the dome camera with your hand against the ceiling, and try various locations and angles while watching the video monitor to find the location which offers the best protection. Mark that location with a pencil.
NOTE: The photocell should face the protected area.
5. Adjust the vertical angle of the camera. Loosen the two screws to begin. Tighten when finished.
6. Run a hidden, permanent video cable from the monitor to the mounting location.
7. Run a hidden cable from a 12VDC power supply to the mounting location.
8. Connect the two cables to the dome camera.
9. Mount the base to the ceiling at the selected location with the mounting screws.
10. Make any necessary adjustments to the horizontal and vertical angles of the camera itself while checking the image in the video monitor.
11. Pull the rubber ring away from the circuit board so that it nearly touches the dome when the dome is replaced, in order to cut down reflections from the dome.
12. Replace the dome, taking care not to touch the camera or scratch the dome. Make sure that the lens points out the transparent part of the dome.
13. Test the camera again under the varying lighting conditions under which it is expected to be used.
Note: Test with lights on and off, and under varying light conditions.