ENFORCER Ball-Mount Indoor/Outdoor IR Camera Manual

TROUBLE SHOOTING

The screen is blank	• Check that the 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.
The screen image is dim	• Clean the lens (using a soft, clean cloth). • Check that the light source is adequate.
The screen image has poor contrast	• Adjust the monitor's contrast knob. • Change the position of the camera.
The screen image flickers	• Change the position of the camera.
The screen image is distorted	• Check "Focus" adjustment. • Change the position of the camera.
The camera case is hot	• Check that the correct power supply is in use.

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.

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.

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 This SECO-LARM product is 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 consumer customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM.
This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair, or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of SECO-LARM, and the purchaser's exclusive remedy, shall be limited to replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damages of any kind to the purchaser or anyone else.

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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PICSN4
iMUIRVandalBallMntLargeCam.pmd

ENFORCER VIDEO

MANUAL

EV-122C-DVAVQ

Color Ball-Mount Vandal-Resistent, Indoor/Outdoor IR Dome Camera with Varifocal Lens, 36 LEDs, and Split Glass Technology


SLI®
SECO-LARM®

Note: Products with model number that ends with "Q" or have a round green "Q" sticker represents RoHS compliant

Specifications

EV-122C-DVAVQ

Type	Ball-Mount Color Dome Camera
Chip	1/3" CCD, Sony
Resolution	420 TV lines
Pickup elements	510 x 492 pixels
Scanning system	2:1 interlace, V: 59.94Hz, H: 15.734KHz
Sync	Internal
Video output	1V p-p composite output, 75 ohms
Lens	Varifocal 4mm~9mm, F1.6
IR LEDs	36 x LEDs (850nm)
IR distance	Up to 100' (30m)
IR view angle	38°~90° beam spread
Minimum illumination	0.3 lux (0 lux with IR on)
Gamma correction	0.45
S/N ratio	>48dB
Shutter control	Auto Electronic Shutter (AES), 1/60~1/100,000 sec.
Automatic gain control	Auto
White balance	Auto
Power source	12VDC ±10%
Power consumption	150mA (IR off), 500mA (IR on)
Operating temperature	4°~122° F (-20°~50° C)
Enclosure	IP66 weatherproof
Dimensions	$4^{21}/_{32}$" x $3^{15}/_{16}$" (118 x 100mm)
Weight	1.7 lb. (752g)
Cable length	34" (86cm)

Dimensions:

(Use included small screwdriver to adjust zoom and focus.)

Zoom — — Focus

$3^{15}/_{16}$" (100mm)

$4^{21}/_{32}$" (118mm)
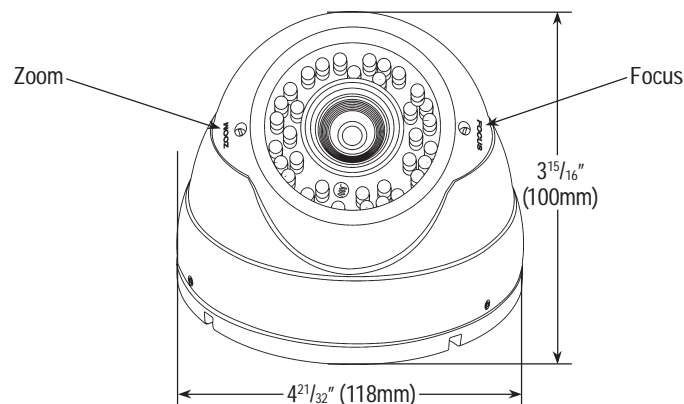
Parts List

1 x Camera Ball
1 x Case
1 x Base
4 x Screws with wall anchors
1 x Small screwdriver
1 x Hex wrench
1 x Manual
1 x DC plug to terminal jack

Case   Camera Ball   4 x Screws   Base   Power Connector   BNC Connector
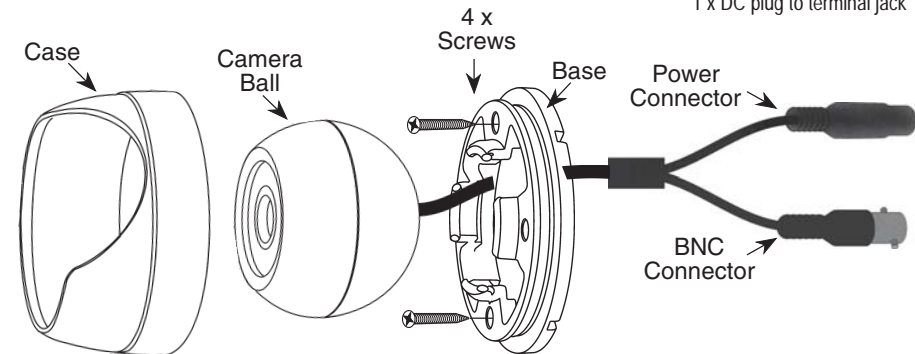
Before Starting:

1. Please read this manual carefully and keep it for future reference.
2. Use the camera within given temperature and electrical limits.
3. While the camera is weatherproof to IP66 standard, do not mount the camera where it is exposed to rain or other moisture, or in humid or dusty places.
4. Do not point the camera at the sun. Heat could damage the camera, even when not in use.
5. Do not mount the camera in areas exposed to radiation, strong magnetic fields, or strong electrical signals.*
6. Do not open or disassemble the camera. There are no user-serviceable parts inside.
7. 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.

Installation:

1. Run a 12VDC power supply wire and a video cable with a male BNC connector through the wall to where the camera is to be mounted.
2. Loosen the set screws with the included hex wrench and remove the case from the base.
   NOTE - The camera ball is NOT attached to the case or the base. It sits loose inside the case. Therefore, be very careful when removing the case from the base to not drop the camera ball.
3. Mount the base to the wall using the four included mounting screws. If the wall is made of dry wall, brick, or similar material, it may be necessary to use the included plastic screw anchors.
4. Run the camera's BNC and power connectors through the camera base, and connect to the video and power wires that were run through the wall.
5. Put the case over the camera ball onto the base, being careful to not drop the camera ball.
6. Holding the case loosely on the base, turn the camera ball to the desired direction.
7. Once the camera ball is in the desired direction, tighten the set screws with the included hex wrench. However, do not tighten them too tightly. Tighten just enough so that the case does not move, and the camera ball does not rotate.
8. Use the included small screwdriver to adjust the zoom and the focus of the camera ball if needed, via the holes marked "ZOOM" and "FOCUS" on the top of the camera ball.
9. Do a final test of the video camera and the monitor.

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