

ENFORCER®

E-941EC2-N1Q (NTSC)

E-941EC2-P1Q (PAL)

Camera for 1,200-lb
Electromagnetic Locks

Manual



Wide Angle Camera



Patent Pending

CCD

1.5 mm

Vandal Resistant

600 TVL

Discreet

For 1,200-lb Locks



Integrates with SECO-LARM 1,200-lb Electromagnetic Locks to monitor incoming or outgoing traffic.

- Sony Super HAD II CCD
- 600 TV Lines
- Wide-angle 1.5mm lens
- Vandal-resistant design
- Optional L bracket available (model E-941E-1K2/LQ)

- Conveniently monitor doorways
- Camera can be rotated for best viewing angle
- Integrate with existing or newly installed SECO-LARM 1,200-lb Electromagnetic Locks

SLI SECO-LARM®



Note: Products with model numbers that end with "Q" or that have a round green "Q" sticker are RoHS compliant.

Specifications:

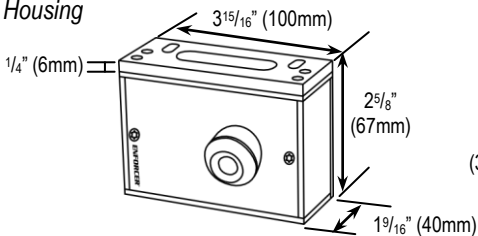
		E-941EC2-N1Q (NTSC) / E-941EC2-P1Q (PAL)	
Type		1200-lb Electromagnetic lock camera	
CCD		1/4" Sony Super HAD II	
Resolution		600 TV lines	
Video output format		NTSC	PAL
Pickup elements		768x494 pixels	752x582 pixels
Video output		1.0Vp-p Composite video, 75Ω	
Scanning system		2:1 Interlace	
Lens		1.5mm	
Minimum illumination		0.1 Lux @ F1.9	
S/N Ratio		>50dB	
DNR (Digital Noise Reduction)		2D-NR	
Gamma correction		0.45	
Gain control		Auto	
IP Rating		IP67 (Camera only)	
Power source		12VDC±10%	
Current draw		74mA	
Operating temperature		14°~122° F (-10°~50° C)	
Dimensions	Camera	1 3/16" x 1 3/16" x 1 1/4" (30x30x32 mm)	
	Housing	2 5/8" x 1 9/16" x 3 15/16" (67x40x100 mm)	
Weight	Camera only	2.1-oz (60g)	
	With housing	14.8-oz (421g)	

Parts List:

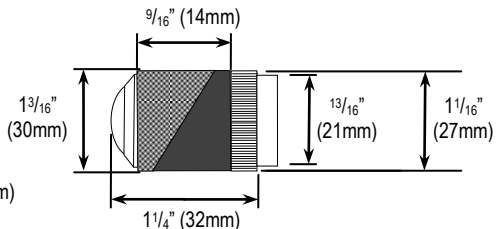
- | | | |
|------------------------|----------------------|------------------------------------|
| 1 x Manual | 1 x Aluminum housing | 1 x Allen wrench (hex screws) |
| 1 x Camera | 1 x Spacer plate | 1 x Allen wrench (security screws) |
| 1 x Threaded ring | 4 x Mounting screws | 1 x Allen wrench (tamper screws) |
| 1 x Angled metal ring | 2 x Security screws | |
| 1 x Angled rubber ring | 2 x Tamper screws | |

Dimensions:

Housing



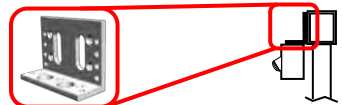
Camera



Optional L Bracket:

Model: E-941E-1K2/LQ

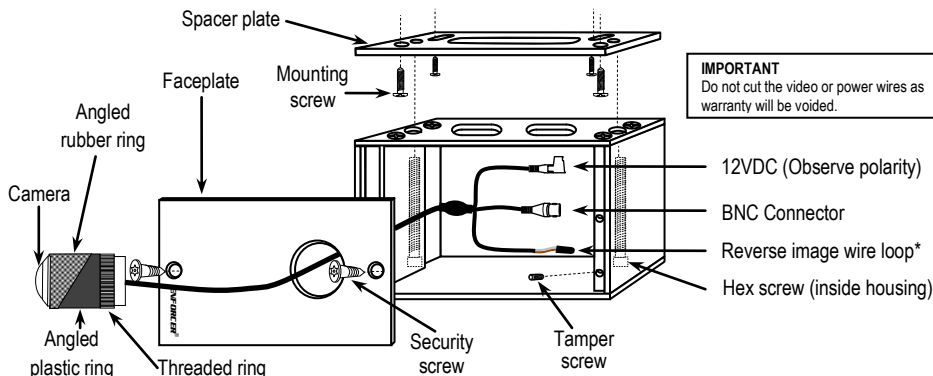
L Bracket sold separately.



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. Do not point the camera directly at the sun. Heat could damage the camera, even when not in use.
4. Do not mount the camera in areas exposed to radiation, strong magnetic fields, or strong electrical signals.
5. Do not open or disassemble the camera. There are no user-serviceable parts inside.
6. Do not drop the camera or subject it to extreme shock.
7. Observe correct polarity when connecting power.

Overview:



*To reverse the camera's image, cut the reverse image wire loop. To restore the image to default, reattach the reverse image wire loop. Make sure bare wires are protected by electrical tape or a similar coating.

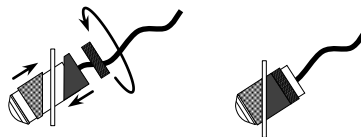
Installation:

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. Remove the spacer plate from the unit by loosening the hex screws from the bottom of the housing using the included hex wrench.
3. Mount the spacer plate to the ceiling or other mounting surface where the wires have been run using the four included mounting screws.
4. Remove the faceplate and run the video and power wires from the wall through the opening on the spacer plate and into the housing. Then reattach the housing to the spacer plate and install the tamper screws using the hex wrench.
5. Connect the camera's BNC and power connectors to the video and power wires that were run through the wall.
6. Insert the tamper screws into each side of the housing as shown above in order to prevent access to the hex screws from below.
7. Mount the camera to the faceplate as shown below and reattach the faceplate to the housing using security screws.
8. Do a final test of the video camera and monitor.

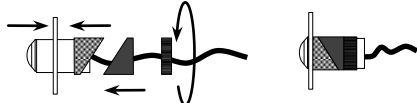
Mounting the Camera to the Faceplate:

Camera Pointing Downward

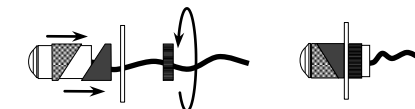
Install the angled rubber ring on the front of the housing so that the camera is tilted. (Approximately 20°)



Camera Pointing Forward



Position the angled rings behind the housing, and twist the threaded ring on to secure the camera to the housing.



The angled rings may be installed in front of the housing to move the field of vision forward.

Troubleshooting:

The screen is blank.

- Check that the camera is powered up.
 - Check that the power supply's polarity is correct.
 - 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.

- 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 such as smoke or unusual heat, as it could cause fire or electric shock. Do not open the case of this device, as there are no user-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 B 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 or her expense.

WARRANTY: This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for a period of three (3) years 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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