

ENFORCER®

12 and 24-IR LED Bullet Cameras

Manual



(24-IR LED Model shown)

NTSC Model #	PAL Model #	Lens	Resolution	IR LEDs
EV-1026-N2SQ	EV-1026-P2SQ	2.9mm	480 TV Lines	12
EV-1026-N3SQ	EV-1026-P3SQ	3.6mm	480 TV Lines	24
EV-1026-N6SQ	EV-1026-P6SQ	6.0mm	480 TV Lines	24
EV-1606-N2SQ	EV-1606-P2SQ	2.9mm	700 TV Lines	12
EV-1606-N3SQ	EV-1606-P3SQ	3.6mm	700 TV Lines	24

- 1/3" Sony Super HAD II CCD
- Day/Night operation
- Weatherproof (IP66)
- IR LEDs for Nighttime use
- AES (Auto Electric Shutter)
- AWB (Automatic white balance)

Specifications

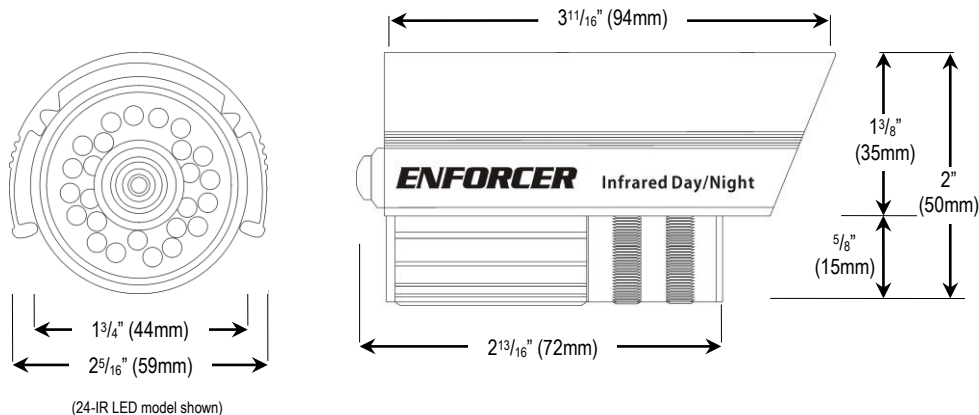
Model	NSTC	EV-1026-N2SQ	EV-1026-N3SQ	EV-1026-N6SQ	EV-1606-N2SQ	EV-1606-N3SQ
	PAL	EV-1026-P2SQ	EV-1026-P3SQ	EV-1026-P6SQ	EV-1606-P2SQ	EV-1606-P3SQ
Type	IR LED Bullet Camera					
CCD	1/3" Sony Super HAD II CCD					
Resolution	480 TV Lines			700 TV Lines		
Effective pixels	NTSC: 510x492 pixels PAL: 500x582 pixels			NTSC: 976x494 pixels PAL: 976x582 pixels		
960H*	No			Yes		
Scanning system	2:1 Interlace					
Sync	Internal					
Video output	1Vp-p Composite output, 75Ω					
Lens	2.9mm	3.6mm	6.0mm	2.9mm	3.6mm	
# of IR LEDs	12	24		12	24	
IR Range	Up to 40ft (12m)	Up to 50ft (15m)		Up to 40ft (12m)	Up to 50ft (15m)	
Minimum illumination	LEDs OFF	0.05 Lux		0 Lux		0.06 Lux
	LEDs ON					
Gamma correction	0.45					
S/N Ratio	>48dB			>50dB		
Shutter control	AES (Auto Electric Shutter)					
Gain control	Auto					
White balance	Auto					
Operating voltage	12VDC					
Current draw	LEDs OFF	75mA			95mA	
	LEDs ON	150mA	250mA		170mA	270mA
IP Rating	IP66					
Operating temperature	-4°~122° F (-20°~50° C)					
Dimensions	3 ¹¹ / ₁₆ "x2 ⁵ / ₁₆ "x2" (94x59x50 mm) (without bracket, with sunshield)					
Weight	10-oz (280g)					

*In order to take full advantage of 960H resolution, the camera must be used with a 960H DVR.

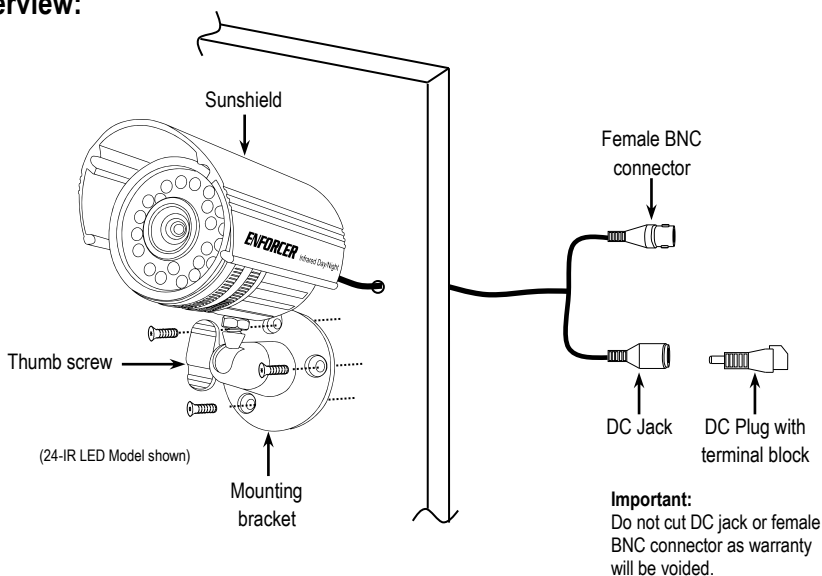
Parts List:

1 x Manual	1 x Sunshield	3 x Mounting screws	1 x DC Plug with terminal block
1 x IR Camera	1 x Mounting bracket	3 x Screw anchors	

Dimensions:



Overview:



Important: Do not remove label or open case as warranty will be voided.

Before Starting:

1. Please read this manual carefully and keep it for future reference.
2. Use the camera within given temperature and electricity limits.
3. Do not aim the LED light directly at the eyes when the LEDs are on.
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 field serviceable parts inside.
7. Do not drop the camera or subject it to strong vibrations.

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 (if necessary).
2. Assemble the mounting bracket; then screw it into the back of the camera. Tighten the adjustment nut.
3. Temporarily connect the camera to the 12VDC power supply. **Do not cut DC jack or female BNC connector as warranty will be voided. If needed, use the included SECO-LARM DC plug with terminal block.**
4. Temporarily connect the camera's female BNC connector to the video cable's male BNC connector.
5. While watching the monitor, hold the camera bracket by hand against the wall where it is to be mounted, then twist the camera until it is certain that this mounting location is correct. Use a pencil to mark the location of the three screw holes in the bracket.
6. Disconnect the 12VDC power supply and video cable.
7. Mount the bracket to the wall using the three included mounting screws. If the wall is made of drywall, brick, or similar material, it may be necessary to use the three included screw anchors.
8. Reconnect the 12VDC power supply and video cable. Turn the monitor on and make sure the camera is sending the proper video signal.
9. To adjust the camera angle, loosen and tighten the bracket's thumb screw. Turn the camera and change its angle relative to the bracket until the desired scene is displayed.
10. Do a final test of the video camera and monitor.

Troubleshooting

The screen is blank.	<ul style="list-style-type: none">• 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.	<ul style="list-style-type: none">• Clean the lens using a soft, clean cloth.• Check that the light source is adequate.
The screen image has poor contrast.	<ul style="list-style-type: none">• Adjust the monitor's contrast knob.• Change the position of the camera.
The screen image flickers.	<ul style="list-style-type: none">• Change the position of the camera.
The screen image is distorted.	<ul style="list-style-type: none">• Change the position of the camera.
The camera case is hot.	<ul style="list-style-type: none">• Check that the correct power supply is in use.
IR LEDs do not turn on.	<ul style="list-style-type: none">• 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 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 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 own 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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SECO-LARM® U.S.A., Inc.

16842 Millikan Avenue, Irvine, CA 92606

Tel: 800-662-0800 / 949-261-2999 Fax: 949-261-7326

Website: www.seco-larm.com

E-mail: sales@seco-larm.com

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