

ENFORCER®

DNR / DWDR / IR NVD Bullet Camera with 4-Axis Mounting Arm

Installation Manual

Elite 3X
NVD
NIGHT VISION DEVICE



3 Cameras in 1:

DNR
3D Digital Noise Reduction

DWDR
Digital Wide Dynamic Range

IR
56 Infrared LEDs

EV-1726-NKGQ (NTSC)	2.8~12mm
EV-1726-PKGQ (PAL)	
EV-1726-NWGQ (NTSC)	6~50mm
EV-1726-PWGQ (PAL)	

- 1/3" Sony Super HAD II CCD
- OSD with service monitor port
- 12VDC/24VAC
- 600 TV lines

NVD Bullet Cameras have an ultra-low Lux rating of 0.00006 allowing the camera to see in almost total darkness.

SLI

FC CE RoHS

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

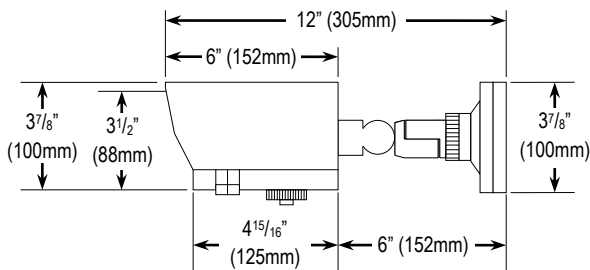
Specifications:

		EV-1726-NKGQ (NTSC) EV-1726-PKGQ (PAL)	EV-1726-NWGQ (NTSC) EV-1726-PWGQ (PAL)
Type		IR LED Bullet Camera	
Pickup Element		1/3" Sony Super HAD II CCD	
Resolution		600 TV lines	
Lens (DC Auto Iris)		2.8~12mm	6~50mm
# of Infrared LEDs		56 (850nm)	
Effective Pixels	NTSC	768x494 pixels	
	PAL	752x582 pixels	
Video Output		1Vp-p composite video, 75Ω	
Minimum Illumination		0.00006 Lux (LEDs on) 0.05 Lux (LEDs off)	
S/N Ratio		>52dB (AGC OFF)	
On Screen Display (OSD)		Built-in and controlled by internal joystick	
Motion Detection		4 zones	
Backlight Compensation		HLC/BLC/Off	
White Balance		ATW / AWC / MANUAL (1800°~10,500° K)	
Digital Slow Shutter (DSS)		256x	
Electronic Shutter		Auto/Manual (adjustable range: 1/60~1/120,000 sec)	
Auto Gain		Selectable: Low, Middle, High, Off	
3-DNR (DNR with 3D filtering)		On/Off (adjustable range: 0~100)	
Day & Night (Color)		Selectable: Color, Auto, B/W	
Sharpness		On/Off (adjustable range: 0~31)	
Privacy		On/Off (8 programmable zones)	
IP Rating		IP66	
Operating Voltage		12VDC/24VAC Dual Voltage	
Current Draw	LEDs OFF	12VDC: 200mA / 24VAC: 3.6W	
	LEDs ON	12VDC: 600mA / 24VAC: 12W	
Operating Temperature		14°~122° F (-10°~50° C)	
Dimensions (LxWxH)		12"x37/8"x37/8" (305x100x100 mm)	
Weight		3-lb 12-oz (1700g)	

Parts List:

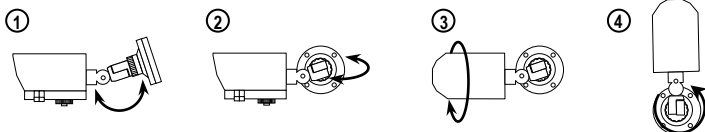
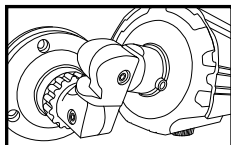
- 1 x Camera with bracket
- 1 x Mounting plate
- 1 x Sunshield
- 4 x Mounting screws
- 4 x Hex screws
- 1 x Hex wrench
- 1 x Rubber grommet
- 1 x DC plug with terminal block
- 1 x Service monitor port connector

Dimensions:

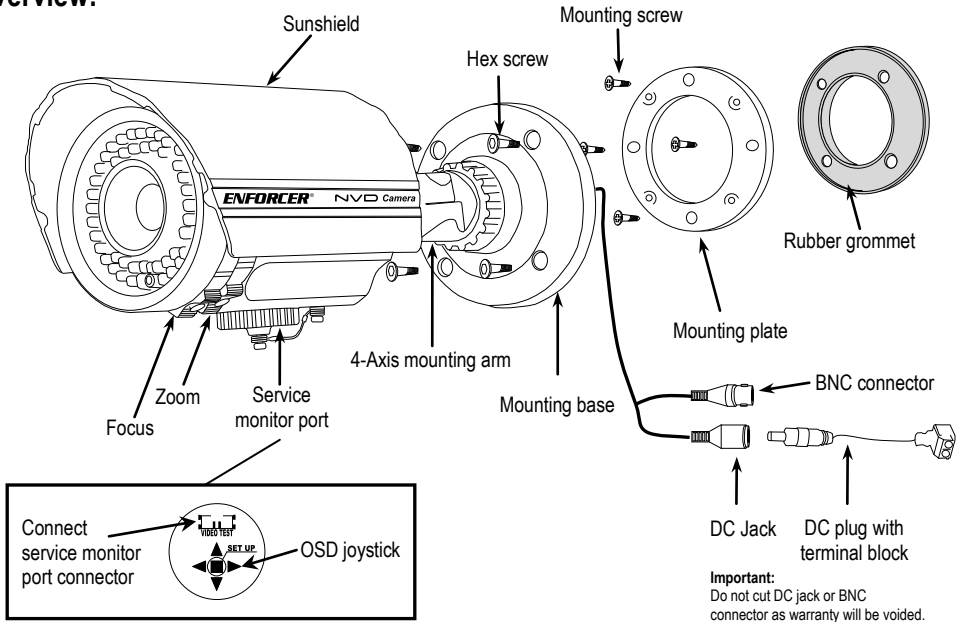


4-Axis Mounting Arm:

The mounting arm set screws can be loosened in three places to adjust the camera angle. The adjustment ring at the base can also be adjusted.



Overview:



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 aim the LEDs 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 or 24VAC power supply wire and a video cable with a male BNC connector through the wall to where the camera is to be mounted.
2. Temporarily connect the camera to the power supply. **Do not cut the DC jack or the female BNC connector as the warranty will be voided. If needed, use the included SECO-LARM DC plug with terminal block.**
3. Connect the included service monitor port connector to the service monitor port.
4. Connect the service monitor port connector's BNC to a test monitor.
5. While watching the monitor, hold the camera against the wall or ceiling by hand where it is to be mounted, then turn the camera until it is certain that this mounting location is correct. Use a pencil to mark the location of the four screw holes in the mounting plate.
6. Mount the mounting plate and rubber grommet to the wall or ceiling using the four included mounting screws. If the wall is made of drywall, brick, or similar material, it may be necessary to use screw anchors (not included).
7. Mount the camera base to the mounting plate using the four included hex screws.
8. Adjust the camera angle. See "4-Axis Mounting Arm" on page 2.
9. Adjust zoom and focus by moving the zoom and focus knobs on the side of the camera. Then use the OSD control joystick to adjust camera settings. (See OSD manual).
10. Disconnect the power supply and service monitor connector.
11. Put the sunshield on the camera.
12. 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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