

ENFORCER[®]

Covert Ceiling-Mount Camera

Manual



Model Number	Resolution	Lens Size
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NTSC

EV-6120-N3WQ	480 TV Lines	3.7mm
EV-6620-N3WQ	600 TV Lines	3.7mm

PAL

EV-6120-P3WQ	480 TV Lines	3.7mm
EV-6620-P3WQ	600 TV Lines	3.7mm

- $\frac{1}{3}$ " Sony Super HAD II CCD
- 3.7mm Lens
- 12VDC Operation
- Multiple mounting angles – camera can view out of the side or bottom of the housing.

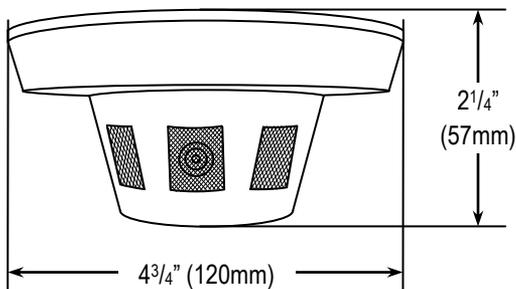
Specifications:

		NTSC	EV-6120-N3WQ	EV-6620-N3WQ
		PAL	EV-6120-P3WQ	EV-6620-P3WQ
Type		Covert Ceiling-Mount Camera		
CCD		1/3" Sony Super HAD II CCD		
Resolution		480 TVL		600 TVL
Pickup elements	NTSC	510x492 pixels		768x494 pixels
	PAL	500x582 pixels		752x582 pixels
Sync		Internal		
Video output		1.1Vp-p composite video, 75Ω		
S/N ratio		>48dB (AGC OFF)		
Shutter control		1/60~1/100,000 sec.		
Gain control		Auto		
IP rating		N/A		
Operating voltage		12VDC		
Current draw		100mA		
Operating temperature		14°~122° F (-10°~50° C)		
Dimensions		4 3/4" x 2 1/4" (120 x 57 mm)		
Weight		5-oz (135g)		

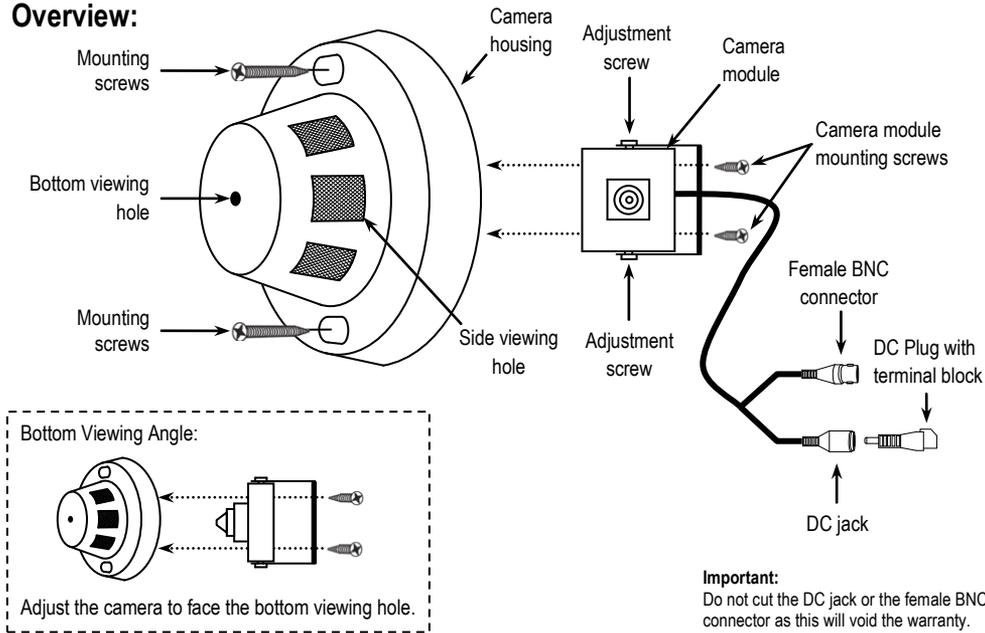
Parts List:

- 1 x Camera 2 x Mounting screws 1 x DC Plug with terminal block
- 1 x Manual 2 x Screw anchors

Dimensions:



Overview:



Important:
Do not cut the DC jack or the female BNC connector as this will void the warranty.

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 point the camera 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 field serviceable parts inside.
6. 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 ceiling to where the camera is to be mounted.
2. Temporarily connect the camera to the 12VDC power supply. **Do not cut the DC jack or female BNC plug as the warranty will be voided. If needed, use the included SECO-LARM DC plug with terminal block.**
3. Temporarily connect the camera's female BNC jack to the video cable's male BNC plug. While watching the monitor, hold the camera by hand against the ceiling 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 two screw holes in the bracket.
4. If the camera angle needs to be adjusted, remove the camera module and loosen the adjustment screws. Rotate the camera module to the correct angle. Tighten the adjustment screws and replace the camera module in the housing.
5. To adjust the camera for bottom view, remove the camera module and loosen the adjustment screws. Rotate the camera to face the bottom viewing hole. Tighten the adjustment screws and replace the camera module in the housing.
6. Disconnect the 12VDC power supply and video cable.
7. Mount the camera to the ceiling using the two included mounting screws.
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. Do a final test of the video camera and monitor.

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.
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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 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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