

# ENFORCER®

## Covert PIR Camera (Non-functioning PIR)

### Manual

#### EV-6680 Series

Motion-activated LED  
programmable from the  
OSD menu, simulating a  
real PIR sensor.



#### EV-6681 Series

Invisible 940nm IR  
LEDs provide infrared  
light for the camera but  
are invisible to the  
human eye.



Model	Format	Programmable Motion-Activated LED	Covert IR LEDs
EV-6680-N3WQ	NTSC	Yes	No
EV-6680-P3WQ	PAL	Yes	No
EV-6681-N3WQ	NTSC	No	Yes
EV-6681-P3WQ	PAL	No	Yes

- Camera is covertly hidden in a non-functioning PIR sensor housing
- OSD (On-Screen Display) for programming special features
- 1/3" Sony CCD
- 3.7mm Lens
- 700 TV Lines, 960H high resolution

Specifications:

		EV-6680-N3WQ	EV-6680-P3WQ	EV-6681-N3WQ	EV-6681-P3WQ
Type		Covert PIR Camera			
CCD		1/3" Sony Super HAD II		1/3" Sony EXview HAD II	
Resolution		700 TV Lines			
Video output format		NTSC	PAL	NTSC	PAL
Effective pixels		976x494 pixels	976x582 pixels	976x494 pixels	976x582 pixels
DNR (2D-NR)		Yes			
DWDR		Yes			
OSD Control		Yes			
960H <sup>1</sup>		Yes			
Scanning system		2:1 Interlace			
Sync		Internal			
Video output		1.0Vp-p Composite video, 75Ω			
Lens		3.7mm			
# of IR LEDs		N/A		18 (940nm)	
IR Range		N/A		50ft (15m)	
Minimum illumination	LEDs OFF	0.1 Lux			
	LEDs ON	N/A		0 Lux	
Gamma correction		0.45			
S/N Ratio		>48dB			
Shutter control		AES (Auto Electric Shutter), 1/60~1/100,000 s	AES (Auto Electric Shutter), 1/50~1/100,000 s	AES (Auto Electric Shutter), 1/60~1/100,000 s	AES (Auto Electric Shutter), 1/50~1/100,000 s
Gain control		Auto			
Operating voltage		12VDC			
Current draw	LEDs OFF	70mA			
	LEDs ON	80mA <sup>2</sup>		230mA	
Operating temperature		14°~122° F (-10°~50° C)			
Dimensions		4 <sup>1</sup> / <sub>8</sub> "x2 <sup>3</sup> / <sub>8</sub> "x1 <sup>3</sup> / <sub>8</sub> " (105x60x35 mm)			
Cable length		21" (55cm)			
Weight		3.9-oz (110g)			

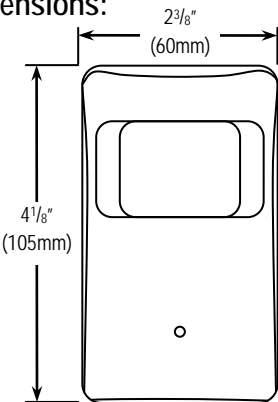
<sup>1</sup>In order to take full advantage of 960H resolution, the camera must be used with a 960H DVR.

<sup>2</sup>With PIR function LED ON

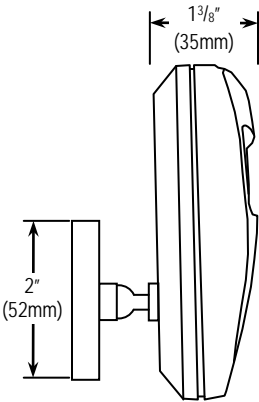
Parts List:

- 1x Camera
- 2x Mounting screws
- 1x Mounting bracket
- 1x DC Plug w/ terminal block
- 1x Manual
- 2x Screw anchors
- 1x Mounting bracket ball

Dimensions:

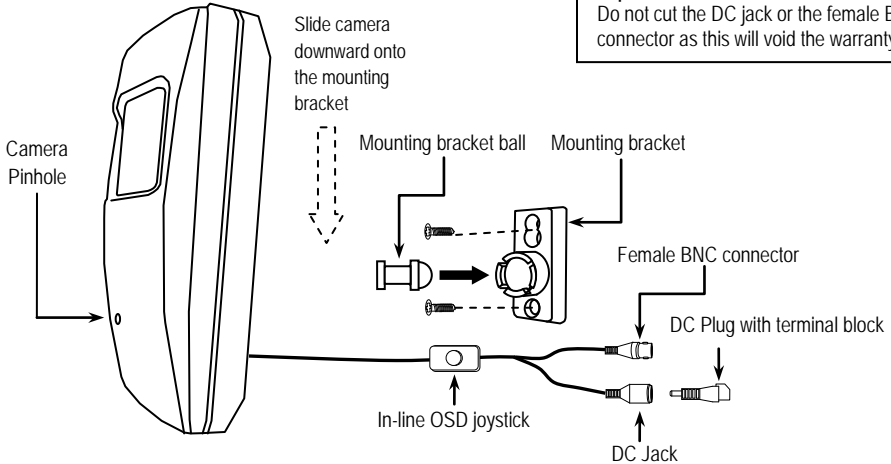


Front View



Side View

## 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 electrical limits.
3. 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.
8. For OSD programming, see separate OSD programming manual.

## Installation:

1. Run a 12VDC power supply wire and a video cable with a male BNC connector through the wall to where the camera will be mounted.
2. Connect the camera's video and power cables.
3. Temporarily mount the camera to test its function and display.
4. Do a preliminary test of the camera to ensure it will work properly.
5. Program the camera if needed via the attached OSD joystick. For OSD programming, see separate OSD programming manual.
6. **EV-6680 Series Only:** The motion-activated LED is tied to the motion detection feature in the OSD. To turn this feature ON or OFF, see page 9 of the OSD manual.
7. Partially screw a screw into the wall where the top of the bracket should go. Slide the bracket onto the screw. Finish securing the top of the bracket to the wall.
8. Secure the bottom of the bracket to the wall.
9. Attach the mounting bracket ball to the mounting bracket by gently pushing the ball into the bracket.
10. Attach the camera to the assembled bracket by sliding the camera downward.
11. Do a final test of the video camera and monitor.

Troubleshooting:

The screen is blank.	<ul style="list-style-type: none"><li>• Check that the camera is powered up.</li><li>• Check that the power supply's polarity is correct.</li><li>• Check that the monitor is powered up.</li><li>• Check that the video cable connecting the camera to the monitor is connected properly.</li></ul>
The screen image is dim.	<ul style="list-style-type: none"><li>• Clean the lens using a soft, clean cloth.</li><li>• Check that the light source is adequate.</li><li>• Check that the IR LEDs turn on when light is low (EV-6681-N3WQ and EV-6681-P3WQ only)</li></ul>
The screen image has poor contrast.	<ul style="list-style-type: none"><li>• Adjust the monitor's contrast knob.</li><li>• Change the position of the camera.</li></ul>
The screen image flickers.	<ul style="list-style-type: none"><li>• Change the position of the camera.</li></ul>
The screen image is distorted.	<ul style="list-style-type: none"><li>• Change the position of the camera.</li></ul>
The camera case is hot.	<ul style="list-style-type: none"><li>• Check that the correct power supply is in use.</li></ul>

**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 the 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 own expense.

**WARRANTY:** This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for a period of two (2) years from the date of sale to the original 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 the 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 damage 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. Copyright © 2014 SECO-LARM U.S.A., Inc. All rights reserved. This material may not be reproduced or copied, in whole or in part, without the written permission of SECO-LARM.

SECO-LARM® U.S.A., Inc.

16842 Millikan Avenue, Irvine, CA, 92606  
Phone: (949) 261-2999 | (800) 662-0800

Website: [www.seco-larm.com](http://www.seco-larm.com)  
Email: [sales@seco-larm.com](mailto:sales@seco-larm.com)

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