



ENFORCER®

Discreet Indoor/Outdoor Wall-Plate Camera Manual



IP67
Weatherproof

EV-5105-N1SQ (NTSC) EV-5105-P1SQ (PAL)	Includes 1 single-gang and 1 slimline plate	
EV-5145-N1SQ (NTSC) EV-5145-P1SQ (PAL)	Includes 1 European plate	

- 1.5mm lens (170° viewing angle)
- Sony 1/4" Color CCD
- Fits in a single-gang, slimline, or European plate
- Adjustable mounting angle
- 600 TV lines
- Reversible image
- Weatherproof (IP67)



Note: Model numbers that end with "Q" or that have a round green "Q" sticker signify RoHS-compliant products.

Specifications:

		EV-5105-N1SQ	EV-5105-P1SQ	EV-5145-N1SQ	EV-5145-P1SQ
Type		Wall Plate Camera			
CCD		1/4" Sony Color CCD			
Resolution		600 TV lines			
Video output format		NTSC	PAL	NTSC	PAL
Pickup elements		768x494 pixels	752x582 pixels	768x494 pixels	752x582 pixels
Video output		1.0Vp-p composite video, 75Ω			
Scanning system		2:1 Interlace			
Lens		1.5mm			
Viewing angle		170			
Minimum illumination		0.5 Lux at F/2.0			
S/N ratio		>48dB			
Gamma correction		0.45			
Gain control		Auto			
IP rating		IP67			
Power source		12VDC±10%			
Current draw		67mA			
Operating temperature		14 ~122 F (-10 ~50 C)			
Dimensions	Camera	1 ³ / ₁₆ "x1 ³ / ₁₆ "x1 ¹ / ₄ " (30x30x35 mm)			
	Single-Gang	2 ³ / ₄ "x4 ¹ / ₂ " (70x114 mm)		N/A	
	Slimline	1 ¹ / ₂ "x4 ¹ / ₂ " (38x114 mm)		N/A	
	European	N/A		3 ⁷ / ₁₆ "x3 ⁷ / ₁₆ " (86x86 mm)	
Weight		3.4-oz (96g) (Camera + 1 plate)			

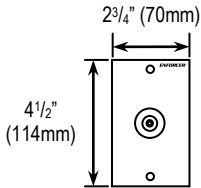
Parts List:

All models include:

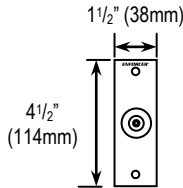
- | | | | |
|-------------------------|----------------------------|-----------------------------|-----------------------------|
| 1 x Manual | 1 x Angled rubber ring | EV-5105 models only: | EV-5145 models only: |
| 1 x Camera | 1 x Threaded ring | 1 x Single-gang plate | 1 x European plate |
| 1 x Angled plastic ring | 2 x Stainless-steel screws | 1 x Slimline plate | |

Plate Dimensions:

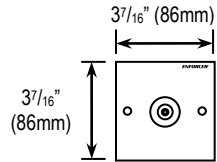
Single-gang plate
(EV-5105 models only)



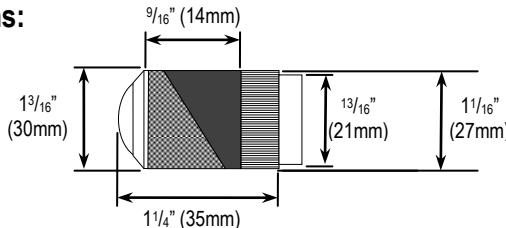
Slimline plate
(EV-5105 models only)



European plate
(EV-5145 models only)



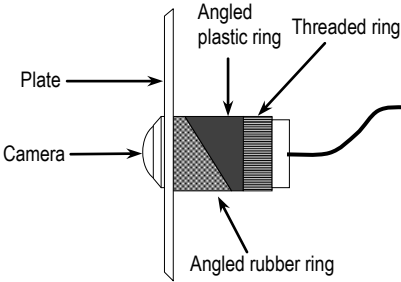
Camera Dimensions:



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.

Overview:



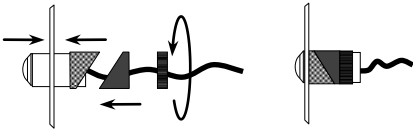
IMPORTANT

Do not cut the video or power wires as warranty will be voided.

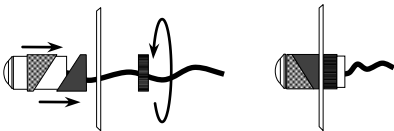
- ← 12VDC
Note polarity when running power
- ← BNC connector
- ← Reverse image wire loop*

*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.

Mounting the Camera to the Plate:



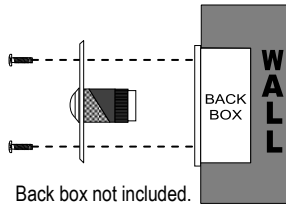
To mount the camera to the plate, position the angled rings behind the plate, and twist the threaded ring on to secure the plate to the camera.



If an object installed next to the camera on the wall is blocking the field of vision, the angled rings may be installed in front of the wall plate to move the field of vision forward.

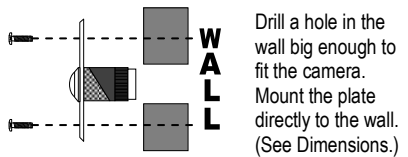
Mounting Options:

With a plate and back box (suggested):



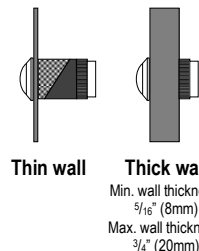
Back box not included.

With a plate, but no back box:



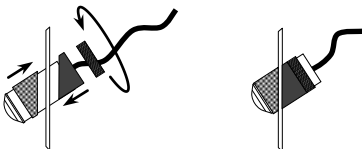
Drill a hole in the wall big enough to fit the camera. Mount the plate directly to the wall. (See Dimensions.)

With no plate and no back box:



Drill a hole in the wall big enough to fit the camera. If mounting to a thick surface, it may not be necessary to use the angled rings. (See Dimensions.)

Changing the Mounting Angle:



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

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 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.

Copyright © 2011 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
Tel: 800-662-0800 / 949-261-2999

Website: www.seco-larm.com
E-mail: sales@seco-larm.com

 PIKSR1

MI-EV-51x5-x1SQ-N6SQ_1105.docx