

ENFORCER®

4-in-1 HD 5MP Bullet Cameras with WDR

Installation Manual



EV-Y1501-A2WWQ shown



Model	Lens	Resolution	Voltage	Style	Color
EV-Y1501-A2WWQ	2.8mm	5MP	12VDC	Bullet	White
EV-Y1501-AMWWQ	2.8~12 mm				

- True Day/Night with ICR Module
- True WDR (Digital Wide Dynamic Range)
- 3D Digital Noise Reduction (3DNR)
- TVI, CVI, AHD, CVBS (Analog)
- Rugged, weatherproof (IP66) construction
- Heavy-duty vandal-resistant design
- Cables concealed in bracket to prevent tampering



For the full On-Screen Display manual, download from the camera's product page on www.seco-larm.com.

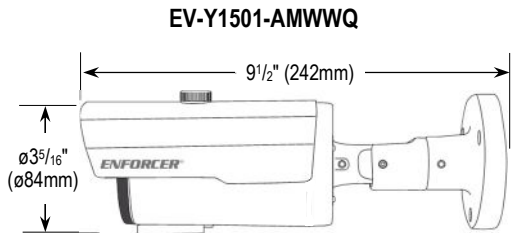
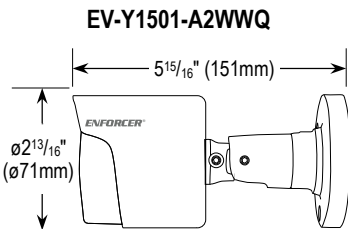
Parts List

1x Bullet camera	3x Mounting screws	1x Manual	1x Mounting template
1x DC Plug	1x Hex wrench		

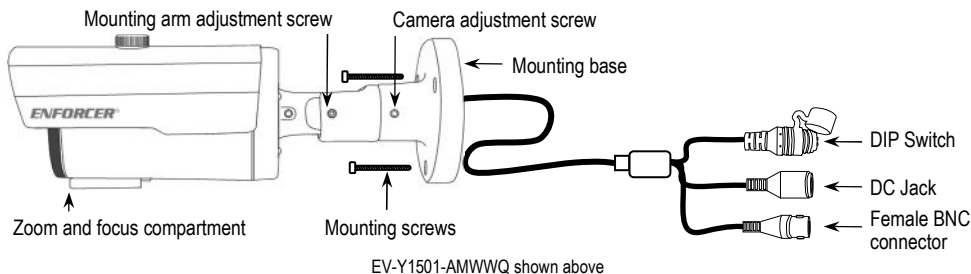
Specifications

Model	EV-Y1501-A2WWQ	EV-Y1501-AMWWQ
Housing color	White	
Type	Fixed bullet camera	Varifocal bullet camera
Formats	TVI (Default) / CVI / AHD / Analog (CVBS)	
CMOS	1/2.8" 5MP Sony CMOS	
Resolution (HD)	2592x1944	
3DNR	Yes	
2DNR	Yes	
WDR	Yes	
OSD (On-Screen Display)	Yes	
Megapixels	5MP	
Lens	2.8mm ICR	2.8~12 mm ICR
Viewing angle	128°	37°~134°
# of IR LEDs	2 (850nm)	4 (850nm)
IR Range	Up to 98ft (30m)	Up to 115ft (35m)
FPS	20FPS	
F Stop	F1.6	F1.8~3.3
Minimum illumination	0Lux	
IR On	0.05Lux@F1.2 (AGC On)	
IR Off		
S/N Ratio	35dB	
Shutter control	Auto	
Gain control	Auto	
Operating voltage	12VDC	
Current draw	440mA	
IR On	80mA	
IR Off		
IP Rating	IP66	
Operating temperature	-40°~131° F (-40°~55° C)	
Dimensions	ø2 ¹³ / ₁₆ "x5 ¹⁵ / ₁₆ " (ø71x151 mm)	ø3 ⁵ / ₁₆ "x9 ¹ / ₂ " (ø84x242 mm)
Weight	0.7-lb (340g)	1-lb, 6-oz (760g)

Overview



Overview (Continued)



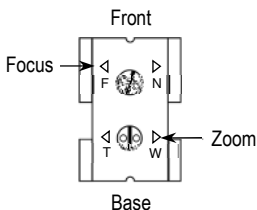
IMPORTANT NOTES:

- Do not cut DC jack or BNC connector jack as warranty will be voided.
- Do not open camera case, no serviceable parts.

Zoom & Focus Adjustment

To adjust the Zoom and Focus, open the Zoom/Focus compartment located on the bottom of the camera.

Once within the compartment, use a flathead screwdriver to loosen the Zoom and Focus screws to allow for adjustment.



Focus

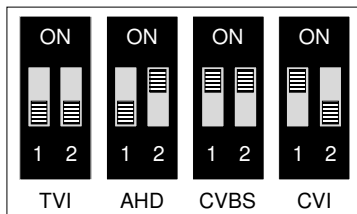
To focus in on close objects, push the focus screw right towards "N". To focus out on far objects, push the screw right towards "F".

Zoom

To zoom in, push the zoom screw left towards "T". To zoom out, push the screw right towards "W".

Set Format via the DIP Switch

To set the Format via the DIP switch, move the DIP switches to the following combinations

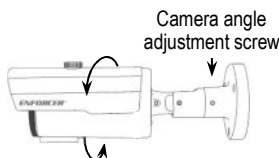


Format	Dip Switch 1	DIP Switch 2
TVI (Default)	OFF	OFF
AHD	OFF	ON
CVBS (Analog)	ON	ON
CVI	ON	OFF

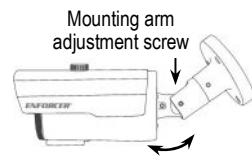
Camera Angle and Positioning

To adjust the camera angle and positioning, loosen the camera angle adjustment screw and mounting arm adjustment screw. Rotate the camera and position the mounting arm in the desired position and retighten the screws.

Camera angle



Camera arm position



Before Starting

1. Use the camera within the given temperature and voltage limits.
2. Do not point the camera at the sun. Heat could damage the camera, even when not in use
3. Do not subject the camera to strong vibrations.
4. Do not mount the camera in areas exposed to radiation, strong magnetic fields, or strong electrical signals.

Installation

1. Run a 12VDC power supply wire and a video cable with a male BNC connector to the wall or ceiling where the camera is to be mounted
2. Temporarily connect the camera to the 12VDC power supply.
3. Temporarily connect the camera's female BNC connector to the video cable's male BNC connector.
4. 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.
5. Adjust the zoom and focus to desired settings. See "Zoom and Focus Adjustment" (EV-Y1501-AMWQ only).
6. Use the DIP Switches to adjust camera output format.
7. Use a pencil and the included mounting template sticker to mark the mounting location. Disconnect the 12VDC power supply and video cable.
8. Mount the camera mounting base to the wall using the included mounting screws.
9. Reconnect the 12VDC power supply and video cable.
10. Turn the monitor on and confirm the camera is sending the proper video signal.
11. Adjust the camera to the desired angle and position.
12. Do a final test of the video camera and monitor.

NOTE: For the full On-Screen Display manual, go to the camera's product page at www.seco-larm.com.

Troubleshooting

The screen is black	<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 image is foggy or washed out at night	<ul style="list-style-type: none">• Check that there are no objects very close to the camera• Check that there are no highly reflective objects in the scene
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, check cables and format setting
The screen image is distorted	<ul style="list-style-type: none">• Change the position of the camera, check cables and format setting
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

FCC COMPLIANCE STATEMENT

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.

Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

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.

IMPORTANT: Users and installers of this product are responsible for ensuring that the installation and configuration of this product complies with all national, state, and local laws and codes. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or codes.

California Proposition 65 Warning: These products may contain chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

WARRANTY: This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for one (1) year 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.

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SECO-LARM® U.S.A., Inc.

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

Website: www.seco-larm.com
Email: sales@seco-larm.com



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