ENFORCER®

4-in-1 HD TVI, CVI, AHD, Analog Bullet Cameras

Manual

EV-Y1501-A2WQ shown

Model #	Lens	Resolution	Voltage	Style	Color
EV-Y1501-A2WQ	2.8mm	5MP	12VDC	Bullet	White
EV-Y1501-AMWQ	2.8~12mm	5MP	12VDC	Bullet	White

Features:

- Select between multiple formats: TVI, CVI, AHD, and Analog
- 5MP Resolution
- ICR Module
- Joystick OSD Control

- DNR (Digital Noise Reduction)
- D-WDR (Digital Wide Dynamic Range)
- Rugged, weatherproof (IP66) construction
- Cables concealed in bracket to prevent tampering

SECO-LARM® SLI

FC CE RoHS

ENFORCER 4-in-1 HD TVI, CVI, AHD, Analog Bullet Cameras

Specifications:

Model		EV-Y1501-A2WQ	EV-Y1501-AMWQ
Type		Fixed Bullet Camera	Varifocal Bullet Camera
Formats		TVI (Default) / CVI / AHD / Analog (CVBS)	
CMOS		$1/_{2.7}$" 5MP CMOS	
Resolution (HD)		2592x1944	
3DNR		No	
2DNR		Yes	
D-WDR		Yes	
OSD (On-Screen Display)		Yes	
Cable OSD control		Yes	
Megapixels		5MP	
Lens		2.8mm ICR	2.8~12mm ICR
Viewing angle		121°	38°~138°
# of IR LEDs		18 (SMT)	30 (SMT)
IR Range		Up to 50ft (20m)	Up to 115ft (35m)
FPS		20FPS	
F Stop		F2.0	
Minimum illumination	IR On	0Lux	
	IR Off	0.05Lux	
S/N Ratio		35dB	
Shutter control		Auto	
Gain control		Auto	
Operating voltage		12VDC	
Current draw	IR On	320mA	350mA
	IR Off	80mA	80mA
IP Rating		IP66	
Operating temperature		-22**°**~131° F (-30**°**~55° C)	
Dimensions		5$^1/_2$" x 2$^3/_4$" x 2$^{13}/_{16}$" (140x69x71 mm)	9$^7/_{16}$" x 3" x 3$^5/_{16}$" (240x77x84 mm)
Weight		12.3-oz (349g)	1-lb 12.4-oz (805g)

Parts List:

1x	Bullet camera	3x	Screws	3x	Screw anchors	1x	Manual
1x	Mounting template	1x	Hex wrench	1x	Power balun	1x	OSD Manual

Dimensions:

EV-Y1501-A2WQ:
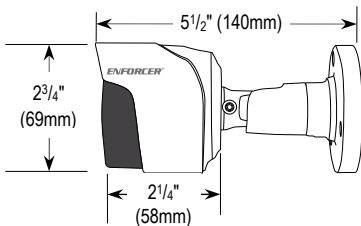
EV-Y1501-AMWQ:

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Overview:

Sunshield Sunshield screw   Camera angle adjustment screw   Mounting base

Female BNC Connector

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DC Jack

OSD controller
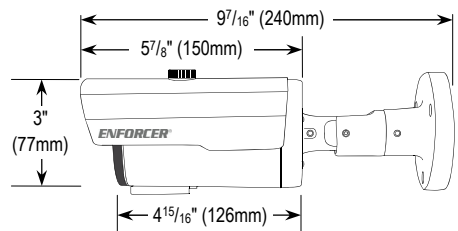
Zoom and focus compartment   Mounting arm adjustment screw   Mounting screws
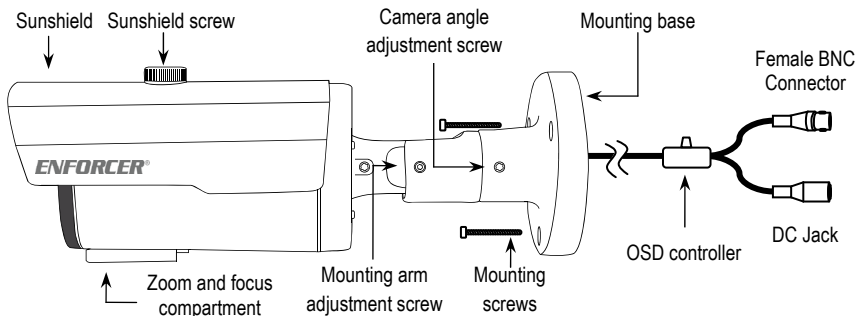
EV-Y1501-AMWQ shown above.

Important: Do not cut any wires as the warranty will be voided.

Zoom & Focus Adjustment*:

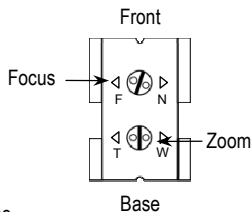To adjust the Zoom and Focus, open the Zoom/Focus compartment located on the bottom of the camera. Once within the compartment, use a flathead screwdriver to loosen the Zoom and Focus screws to allow for adjustment.

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".

Front

Focus

F   N

T   W   Zoom

Base

*EV-Y1501-AMWQ only.

OSD Controller Settings:

To set format via the OSD controller, move the controller in the direction of the desired setting, hold for 5 seconds, and release when the camera restarts.

See chart below.

Direction	Format Setting
Up	AHD
Down	CVBS/Analog
Left	TVI
Right	CVI

UP

BNC Connector

Camera

**NOTE:** Do not press joystick in when setting different modes.
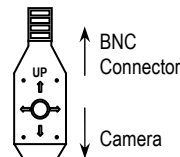
Camera Angle and Positioning:

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 angle adjustment screw

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Camera arm position:
Mounting arm adjustment screw

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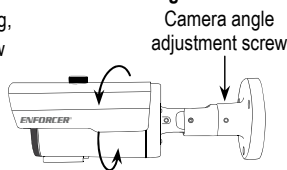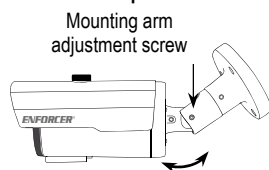
Before Starting:

1. Use the camera within the given temperature and voltage limits.
2. Do not point the camera at the sun.
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 OSD controller's joystick to adjust the camera settings. See "OSD Controller Settings". (For more information, see separate OSD manual).
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.

Installation (continued):

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. See "Camera Angle and Positioning" for more information.
12. 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, check cables and format setting
The screen image is distorted.	• Change the position of the camera, check cables and format setting
The camera case is hot.	• Check that the correct power supply is in use.

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.
Do not cut any wires as the warranty will be voided.

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.

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