

ENFORCER®

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

Manual



EV-Y1201-A2WQ shown

Model #	Lens	Resolution	Voltage	Style	Color
EV-Y1201-A2WQ	2.8mm	1080p	12VDC	Bullet	White
EV-Y1201-AMWQ	2.8-12mm	1080p	12VDC	Bullet	White

Features:

- Select between multiple formats: TVI, CVI, AHD, and Analog
- 1080p Resolution
- ICR Module
- Joystick OSD Control
- 3D-NR (3D Digital Noise Reduction)
- DWDR (Digital Wide Dynamic Range)
- Rugged, weatherproof (IP66) construction
- Cables concealed in bracket to prevent tampering

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Specifications:

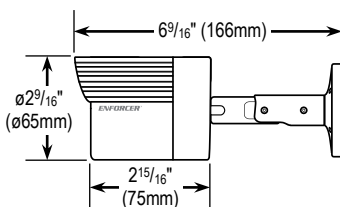
Model	EV-Y1201-A2WQ	EV-Y1201-AMWQ	
Type	Fixed Bullet Camera	Varifocal Bullet Camera	
Formats	TVI (Default) / CVI / AHD / Analog		
CMOS	1/2.9" 2MP Sony CMOS		
Resolution (HD)	1920x1080		
TV Lines (Analog)	1200TVL		
3D-NR	Yes		
2D-NR	Yes		
DWDR	Yes		
OSD (On-Screen Display)	Yes		
Cable OSD control	Yes		
Video output	1.0Vp-p Complex video output		
Megapixels	2MP		
Lens	2.8mm ICR	2.8-12mm ICR	
Viewing angle	90°	30°-90°	
# of IR LEDs	16 (SMT)	3 (IR III)	
IR Range	Up to 50ft (15m)	Up to 100ft (30m)	
FPS	30FPS		
F Stop	F1.4-F1.6		
Minimum illumination (IR On)	0Lux		
Gamma correction	0-1		
S/N Ratio	50dB		
DSS (Digital Show Shutter)	Yes		
Shutter control	Yes		
Gain control	Yes		
White balance	Auto, Day & Night		
Operating voltage	12VDC		
Current draw	(IR On)	160mA	400mA
	(IR Off)	90mA	90mA
IP Rating	IP66		
Operating temperature	-4°~131° F (-20°~55° C)		
Dimensions	6 ⁹ / ₁₆ "xø2 ⁹ / ₁₆ " (166xø65 mm)	10 ⁷ / ₁₆ "xø3 ¹ / ₄ " (265xø83 mm)	
Weight	14.1-oz (400g)	1-lb 10.8-oz (760g)	

Parts List:

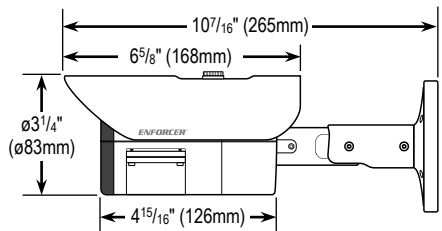
1x Bullet camera	3x/4x* Screws	3x/4x* Screw anchors
1x DC plug with terminal block	1x Hex wrench	1x Flathead screwdriver*
1x Mounting template	1x Manual	* EV-Y1201-AMWQ Only

Dimensions:

EV-Y1201-A2WQ:

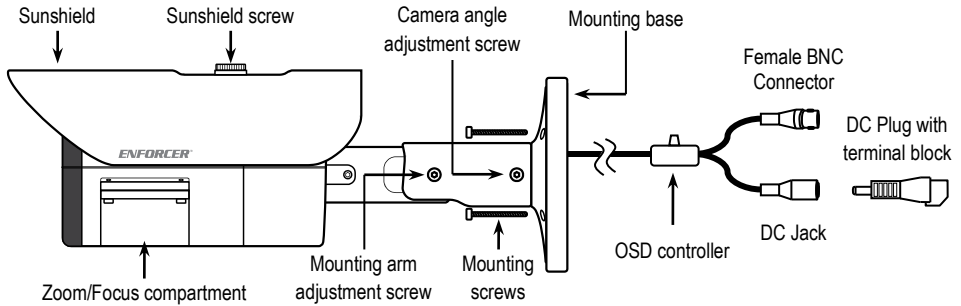


EV-Y1201-AMWQ:



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Overview:



EV-Y1201-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 using the provided hex wrench.

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

Focus

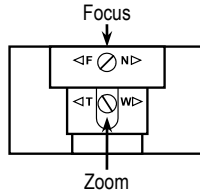
To focus in on close objects, push the focus screw right towards "N".

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

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

Zoom

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



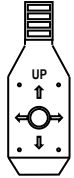
*EV-Y1201-AMWQ only.

OSD Controller Settings:

To set format via the OSD controller, press 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	CVI
Down	TVI
Left	CVBS
Right	AHD

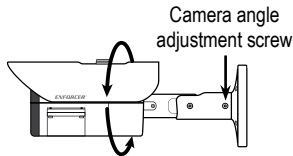


Camera Angle and Positioning:

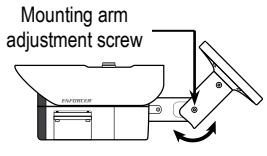
To adjust the camera angle and positioning, loosen the camera angle adjustment screw and mounting arm adjustment screw.

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.
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-Y1201-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.

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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.	<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 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.

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.

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 UNDESIRE 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.

WARRANTY: This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for three (3) 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.

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