

# **ENFORCER®**

**EV-C1303-NMGQ**

**Elite 3X Bullet Camera**

**Manual**



3 Amazing Features. 1 **Elite** Camera.



3D-NR Cleans and sharpens images by reducing camera noise



WDR Captures clean images even with strong backlight



42 IR LEDs produce a clear image even in total darkness

# ENFORCER Elite 3X Bullet Camera

## Features:

- 1000 TV Lines
- Megapixel CMOS
- Built-in service monitor port
- Weatherproof (IP67) for outdoor use
- DC Auto iris varifocal lens with ICR (IR Cut Filter)
- WDR (Wide Dynamic Range) provides clear images under intense backlight conditions
- Intelligent features such as motion detection and zoom control
- 32x DSS (Digital Slow Shutter) amplifies existing light to capture images in almost total darkness
- 3-Axis mounting arm
- 12VDC/24VAC Operation
- OSD (On-Screen Display) for convenient programming of special features
- Defog to improve image clarity in poor conditions

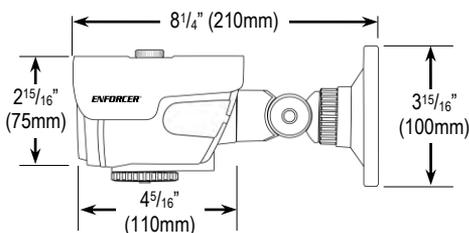
## Specifications:

<b>Model</b>	<b>EV-C1303-NMGQ</b>	
<b>Type</b>	Bullet	
<b>CMOS</b>	1/3" 1.3MP Sony IMX138	
<b>Resolution</b>	1000 TV Lines	
<b>Video output format</b>	NTSC	
<b>Effective pixels</b>	1305x1049 pixels	
<b>3D-NR</b>	Yes	
<b>WDR</b>	Yes	
<b>OSD Control</b>	Yes	
<b>Scanning system</b>	Progressive scan	
<b>Sync</b>	Internal	
<b>Video output format</b>	1.0Vp-p Composite video, 75Ω	
<b>Lens</b>	2.8~12mm	
<b># of IR LEDs</b>	42	
<b>IR Range</b>	Up to 100' (30m)	
<b>Minimum illumination</b>	0 Lux (IR LEDs on)	
<b>Gamma correction</b>	Yes	
<b>S/N Ratio</b>	>50dB	
<b>DSS (Digital Slow Shutter)</b>	32x	
<b>Shutter control</b>	Auto Electric Shutter (AES), 1/60~1/60,000 s	
<b>Gain control</b>	Auto	
<b>White balance</b>	Auto	
<b>Operating voltage</b>	12VDC/24VAC	
<b>Current draw</b>	<b>LEDs OFF</b>	190mA@12VDC
	<b>LEDs ON</b>	530mA@12VDC
<b>IP Rating</b>	IP67	
<b>Operating temperature</b>	-14°~122° F (-10~50° C)	
<b>Dimensions</b>	3 <sup>15</sup> / <sub>16</sub> "x3 <sup>15</sup> / <sub>16</sub> "x8 <sup>1</sup> / <sub>4</sub> " (100x100x210 mm)	
<b>Cable length</b>	5'10" (1.8m)	
<b>Weight</b>	3-lb 1.4-oz (1,400g)	

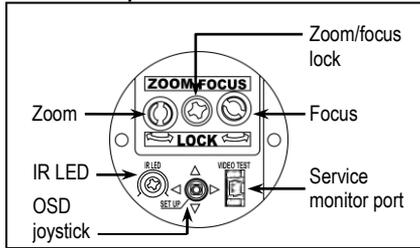
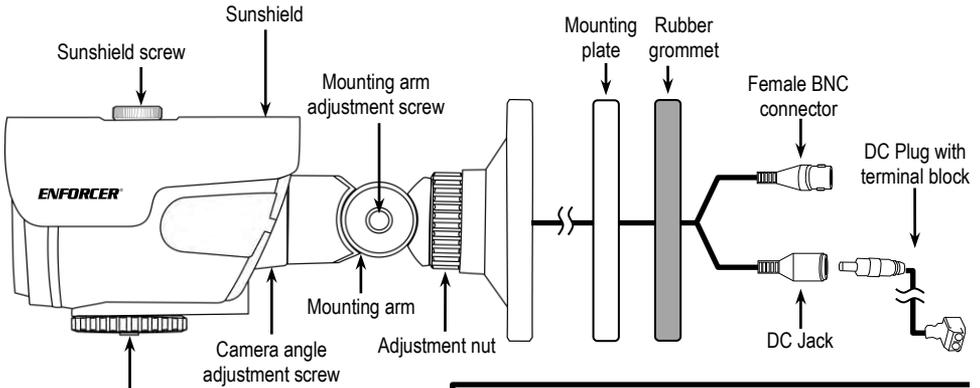
## Parts List:

- 1x Camera
- 1x Mounting plate
- 1x Rubber grommet
- 1x DC Plug with terminal block
- 1x Service monitor port connector
- 4x Mounting screws
- 4x Hex screws
- 1x Hex wrench
- 1x Manual
- 1x Zoom/focus adjustment tool

## Dimensions:

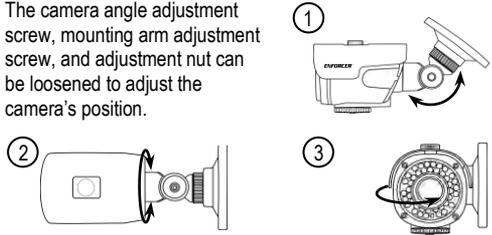


## Overview:



## 3-Axis Mounting Bracket:

The camera angle adjustment screw, mounting arm adjustment screw, and adjustment nut can be loosened to adjust the camera's position.



## 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 aim the LED light directly at the eyes when the LEDs are on.
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 field-serviceable parts inside.
7. Do not drop the camera or subject it to strong vibrations.

## Installation:

1. Run a 12VDC/24VAC power supply wire and a video cable with a male BNC connector through the wall to where the camera is to be mounted.
2. Temporarily connect the camera to the power supply. **Do not cut the DC jack or female BNC plug as warranty will be voided. If needed, use the included DC plug with terminal block.**
3. Connect a test monitor to the service monitor port using the included service monitor port connector.
4. While watching the monitor, hold the camera against the wall or ceiling by hand where it is to be mounted, then adjust the camera angle until it is certain that the mounting location is correct. See "3-Axis Mounting Bracket" above. Use a pencil to mark the location of the four screw holes in the mounting plate.
5. Disconnect the power supply and test monitor.
6. Mount the mounting plate and rubber grommet to the wall or ceiling using the included mounting screws. If the wall is made of drywall, brick, or similar material, it may be necessary to use screw anchors (not included).
7. Mount the camera base to the mounting plate using the included hex screws.
8. Connect the female BNC connector and DC jack to the male BNC connector and power supply wire run in Step 1.
9. Adjust the zoom and focus by adjusting the knobs on the bottom of the camera with a small screwdriver. When finished, twist the "Lock" knob to lock the settings into place.
10. Use the OSD joystick to adjust the camera settings (see OSD manual).
11. Do a final test of the camera and monitor.

# ENFORCER Elite 3X Bullet Camera

## 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.

IR LEDs do not turn on.

- 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 field-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 own expense.

**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.

**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.

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