

# **ENFORCER®**

**EV-Y5105-N2SQ**

## **4-in-1 HD TVI, CVI, AHD, Analog Wall-Plate Camera Manual**



**See  
MORE.**

**Wide Angle Camera**

### **Features:**

- Select between multiple formats: TVI, CVI, AHD, and Analog
- 1/2.8" 2MP Sony STARVIS™ CMOS
- 2.9mm Wide angle lens
- Weatherproof IP67 construction
- Vandal-resistant design
- Adjustable mounting angle
- Includes: 1 camera, 1 single-gang plate, 1 slimline plate, and angled mounting rings
- 2DNR (2D Digital Noise Reduction)
- D-WDR (Digital Wide Dynamic Range)
- 12VDC Operating voltage

# ENFORCER 4-in-1 HD TVI, CVI, AHD, Analog Wall-Plate Camera

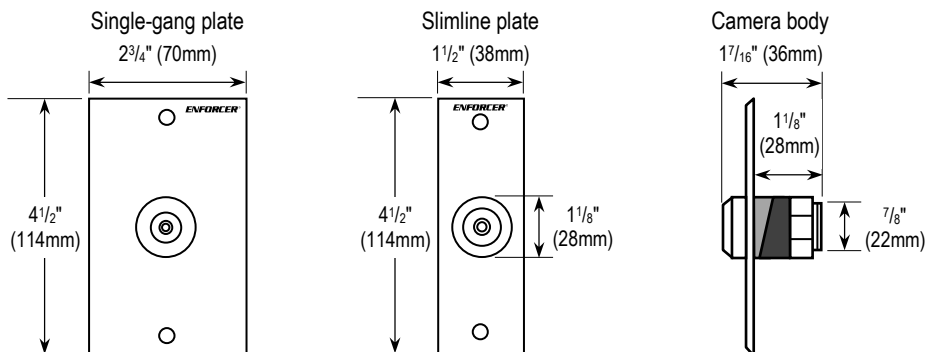
## Specifications:

|                         |                                    |                             |
|-------------------------|------------------------------------|-----------------------------|
| Type                    | Wall-plate camera                  |                             |
| Formats                 | TVI (Default) / CVI / AHD / Analog |                             |
| Plate type              | 1 Single-gang, 1 slimline          |                             |
| CMOS                    | 1/2.8" 2MP Sony STARVIS™ CMOS      |                             |
| Resolution              | 1080p                              |                             |
| 2DNR                    | Yes                                |                             |
| D-WDR                   | Yes                                |                             |
| OSD (On-Screen Display) | Yes                                |                             |
| External OSD Control    | Yes                                |                             |
| Scanning system         | 2:1 Interface                      |                             |
| Sync                    | Internal                           |                             |
| Video output            | 1.0Vp-p Complex video, 75Ω         |                             |
| Lens                    | 2.9mm                              |                             |
| Viewing angle           | 155°                               |                             |
| FPS                     | 30FPS                              |                             |
| F Stop                  | 2.2                                |                             |
| Minimum illumination    | Color: 0.01Lux, BW: 0.001Lux       |                             |
| Gamma correction        | 0.45                               |                             |
| S/N Ratio               | 50dB                               |                             |
| Gain control            | Auto                               |                             |
| Operating voltage       | 12VDC                              |                             |
| Current draw            | 130mA±15%                          |                             |
| IP Rating               | IP67                               |                             |
| Operating temperature   | 14°~122° F (-10°~50° C)            |                             |
| Dimensions              | Camera                             | 17/16" x ø11/8" (36xø28 mm) |
|                         | Single-gang plate                  | 23/4" x 41/2" (70x114 mm)   |
|                         | Slimline plate                     | 11/2" x 41/2" (38x114 mm)   |
| Camera body weight      | 2.8-oz (80g)                       |                             |

## Parts List:

|                       |                         |                     |
|-----------------------|-------------------------|---------------------|
| 1x Camera             | 1x Single-gang plate    | 1x Slimline plate   |
| 1x Angled rubber ring | 1x Angled aluminum ring | 1x Aluminum hex nut |
| 1x OSD Joystick       | 2x Mounting screws      | 1x Manual           |

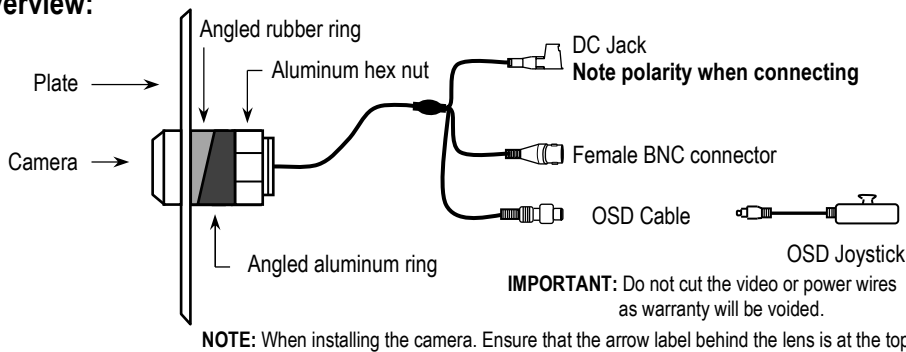
## Dimensions:



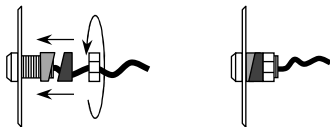
## Before Starting:

1. Read this manual carefully and keep it for future reference.
2. Use the camera within given temperature and electrical limits.
3. Do not point the camera at the sun. Heat could damage the camera, even when not in use.
4. Do not mount the camera in areas exposed to radiation, strong magnetic fields, or strong electrical signals.
5. Do not open or disassemble the camera. There are no user-serviceable parts inside.
6. Do not subject the camera to extreme shock.

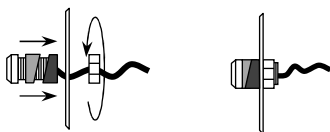
## Overview:



## Mounting the Camera to the Plate:



To mount the camera to the plate, position the angled rings behind the plate and twist the aluminum hex nut 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.

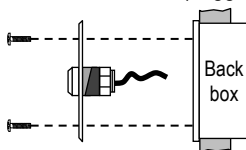
## Changing the Mounting Angle:



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

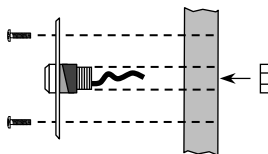
## Mounting Options:

**With a plate and back box (suggested):**



Mount directly to the back box (not included).

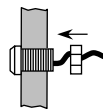
**Plate, no back box:**



Drill a 7/8" (22mm) hole in the wall to fit the camera body. Mount the plate directly to the wall.

**No plate and no back box:**

Min. Wall thickness: 5/16" (8mm)  
Max. Wall thickness: 15/16" (23mm)



Drill a 7/8" (22mm) hole into the wall to fit the camera body. If mounting to a thick surface, it may not be necessary to use the angled rings.

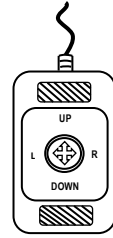
# ENFORCER 4-in-1 HD TVI, CVI, AHD, Analog Wall-Plate Camera

## Switching between HD Analog Outputs:

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 to the right.

| Direction | Format Setting |
|-----------|----------------|
| Up        | CVI            |
| Down      | TVI            |
| Left      | CVBS           |
| Right     | AHD            |



## Troubleshooting:

|                                    |  |
|------------------------------------|--|
| The screen is blank                | <ul style="list-style-type: none"><li>• Check that the camera is powered up</li><li>• Check that the power supply's polarity is correct</li><li>• Check that the monitor is powered up</li><li>• Check that the video cable connecting the camera to the monitor is connected properly</li><li>• Verify video format</li></ul> |
| The screen image is dim            | <ul style="list-style-type: none"><li>• Clean the lens using a soft, clean cloth</li><li>• Change the position of the camera</li><li>• Verify video format</li></ul>   |
| The screen image has poor contrast | <ul style="list-style-type: none"><li>• Adjust the monitor's contrast knob</li><li>• Change the position of the camera</li><li>• Verify video format</li></ul>   |
| The screen image flickers          | <ul style="list-style-type: none"><li>• Change the position of the camera</li><li>• Verify video format</li></ul>  |
| The screen image is distorted      | <ul style="list-style-type: none"><li>• Change the position of the camera</li><li>• Verify video format</li></ul>  |
| The camera case is hot             | <ul style="list-style-type: none"><li>• Check that the correct power supply is in use</li></ul>  |

**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 undesired operation.

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