

## GV-EVD2100 2MP H.264 Super Low Lux WDR IR Vandal Proof IP Dome



- 1/2.8" progressive scan super low lux CMOS
- Min. illumination at 0.004 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Vandal resistance (**IK10** for metal casing)
- Ingress protection (**IP67**)
- Megapixel varifocal lens
- P-iris lens for auto iris control
- Intelligent IR
- IR distance up to 50 m (164 ft)
- Day and Night function (with removable IR-cut filter)
- 3-axis mechanism (pan / tilt / rotate)
- DC 12V / PoE (IEEE 802.3af)
- Two-way audio
- Wide Dynamic Range (WDR)
- 3D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- IP address filtering
- Recording assigned by GV-Edge Recording Manager ([Windows](#) & [Mac](#))
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More storage option - [NAS](#)

### Introduction

The Target Vandal Proof IP Dome is an outdoor camera designed with **IK10** vandal resistance and **IP67** ingress protection. The camera is equipped with an automatic IR-cut filter and IR LEDs for day and night surveillance. With the super low lux CMOS image sensor, the camera is capable of providing a color live view in near darkness. Adjustable in 3 axis (pan, tilt and rotate), it offers an entry-level surveillance solution with all the essential features and excellent image quality.

### Active Tampering Alarm

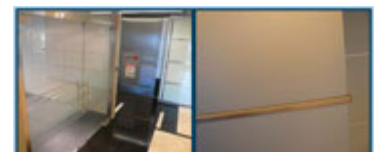
Tampered



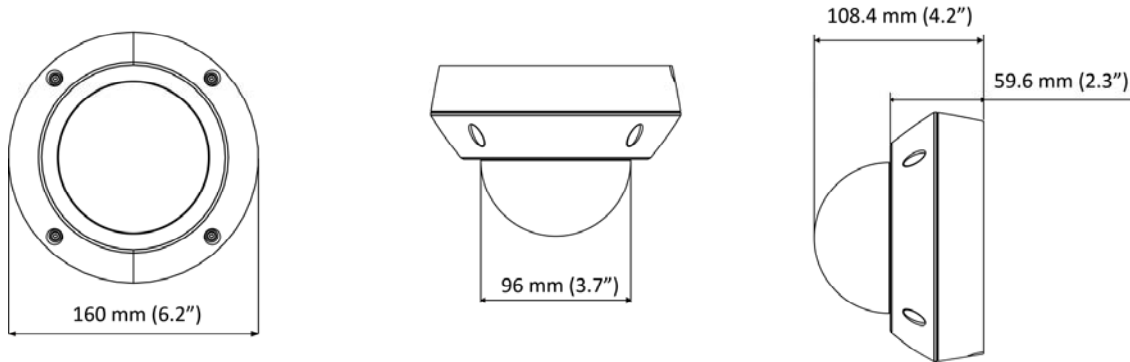
Focus Change



Camera Shift



## Dimensions



## Specifications

| Camera                            |       |                                                                                                                                                                                             |
|-----------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                      |       | 1/2.8" progressive scan super low lux CMOS                                                                                                                                                  |
| Picture Elements                  |       | 1920 (H) x 1080 (V)                                                                                                                                                                         |
| Minimum Illumination              | Color | 0.005 Lux                                                                                                                                                                                   |
|                                   | B/W   | 0.004 Lux                                                                                                                                                                                   |
|                                   | IR ON | 0 Lux                                                                                                                                                                                       |
| Shutter Speed                     |       | Automatic, Manual (1/5 ~ 1/8000 sec.)                                                                                                                                                       |
| White Balance                     |       | Automatic, Manual (2800K ~ 8500K)                                                                                                                                                           |
| Gain Control                      |       | Automatic                                                                                                                                                                                   |
| S/N Ratio                         |       | 56 dB                                                                                                                                                                                       |
| WDR                               |       | Yes                                                                                                                                                                                         |
| Dynamic Range                     |       | Up to 72 dB                                                                                                                                                                                 |
| Lens                              |       |                                                                                                                                                                                             |
| Megapixel                         |       | Yes                                                                                                                                                                                         |
| Day/Night                         |       | Yes (with removable IR-cut filter)                                                                                                                                                          |
| Focal Length                      |       | 3 ~ 9 mm                                                                                                                                                                                    |
| Lens Type                         |       | Varifocal                                                                                                                                                                                   |
| Maximum Aperture                  |       | F/1.7                                                                                                                                                                                       |
| Mount                             |       | Ø14 mm                                                                                                                                                                                      |
| Horizontal FOV                    |       | 102° ~ 40°                                                                                                                                                                                  |
| Image Format                      |       | 1/2.8"                                                                                                                                                                                      |
| Operation                         | Focus | Manual (with lock)                                                                                                                                                                          |
|                                   | Zoom  | Manual (with lock)                                                                                                                                                                          |
|                                   | Iris  | P-iris                                                                                                                                                                                      |
| Max. Torque (Focus / Zoom Screws) |       | 0.049 N.m                                                                                                                                                                                   |
| IR LED Quantity                   |       | 20 IR LEDs                                                                                                                                                                                  |
| Max. IR Distance                  |       | 50 m (164.04 ft)                                                                                                                                                                            |
| Operation                         |       |                                                                                                                                                                                             |
| Video Compression                 |       | H.264, MJPEG                                                                                                                                                                                |
| Video Streaming                   |       | Dual streams from H.264 and MJPEG                                                                                                                                                           |
| Frame Rate                        |       | 30 fps at 1920 x 1080 (60/50 Hz)<br>* The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).                              |
| Image Setting                     |       | Brightness, Contrast, Saturation, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, D/N Sensitivity, Backlight Compensation, WDR, Defog, Low Lux Enhancement |
| Audio Compression                 |       | G.711, AAC (Optional)                                                                                                                                                                       |
| Audio Support                     |       | Two-way Audio                                                                                                                                                                               |

| Video Resolution        |           |                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main Stream             | 4:3       | 1280 x 960, 640 x 480, 320 x 240                                                                                                                                                                                                                                                                                                                 |
|                         | 16:9      | 1920 x 1080 (Default), 1280 x 720, 640 x 360, 448 x 252                                                                                                                                                                                                                                                                                          |
|                         | 5:4       | 1280 x 1024, 640 x 512, 320 x 256                                                                                                                                                                                                                                                                                                                |
| Sub Stream              | 4:3       | 640 x 480, 320 x 240                                                                                                                                                                                                                                                                                                                             |
|                         | 16:9      | 640 x 360 (Default), 448 x 252                                                                                                                                                                                                                                                                                                                   |
|                         | 5:4       | 640 x 512, 320 x 256                                                                                                                                                                                                                                                                                                                             |
| Network                 |           |                                                                                                                                                                                                                                                                                                                                                  |
| Interface               |           | 10/100 Ethernet                                                                                                                                                                                                                                                                                                                                  |
| Ethernet Protocol       |           | DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA                                                                                                                                                                                                                            |
| Mechanical              |           |                                                                                                                                                                                                                                                                                                                                                  |
| Temperature Detector    |           | Yes                                                                                                                                                                                                                                                                                                                                              |
| Camera Angle Adjustment | Pan       | 0° ~ 350°                                                                                                                                                                                                                                                                                                                                        |
|                         | Tilt      | 0° ~ 75°                                                                                                                                                                                                                                                                                                                                         |
|                         | Rotate    | 0° ~ 340°                                                                                                                                                                                                                                                                                                                                        |
| Connectors              | Power     | 2-pin terminal block, PoE                                                                                                                                                                                                                                                                                                                        |
|                         | Ethernet  | Ethernet (10/100 Base-T), RJ-45 cable                                                                                                                                                                                                                                                                                                            |
|                         | Audio     | 1 In (microphone jack, 3.5 mm / 0.14")<br>1 Out (stereo phone jack, 3.5 mm / 0.14")                                                                                                                                                                                                                                                              |
|                         | TV-Out    | BNC connector (D1 resolution)                                                                                                                                                                                                                                                                                                                    |
| LED Indicator           |           | 2 LEDs: Power, Status                                                                                                                                                                                                                                                                                                                            |
| General                 |           |                                                                                                                                                                                                                                                                                                                                                  |
| Environment Temperature | Start-up  | -20 °C ~ 50 °C (-4 °F ~ 122 °F)                                                                                                                                                                                                                                                                                                                  |
|                         | Operation | -30 °C ~ 50 °C (-22 °F ~ 122 °F)                                                                                                                                                                                                                                                                                                                 |
| Humidity                |           | 10% to 90% (no condensation)                                                                                                                                                                                                                                                                                                                     |
| Power Source            |           | 12V DC / PoE (IEEE 802.3af)                                                                                                                                                                                                                                                                                                                      |
| Max. Power Consumption  |           | 6.1 W                                                                                                                                                                                                                                                                                                                                            |
| Dimension               |           | ø160 x 108.4 mm (6.2 x 4.27")                                                                                                                                                                                                                                                                                                                    |
| Weight                  |           | 1.15 kg (2.54 lb)                                                                                                                                                                                                                                                                                                                                |
| Ingress Protection      |           | IP67                                                                                                                                                                                                                                                                                                                                             |
| Vandal Resistance       |           | IK10 for metal casing                                                                                                                                                                                                                                                                                                                            |
| Regulatory              |           | CE, FCC, RCM, RoHS compliant                                                                                                                                                                                                                                                                                                                     |
| Power over Ethernet     |           |                                                                                                                                                                                                                                                                                                                                                  |
| PoE Standard            |           | PoE (IEEE 802.3af Power over Ethernet / PD)                                                                                                                                                                                                                                                                                                      |
| PoE Power Supply Type   |           | End-Span                                                                                                                                                                                                                                                                                                                                         |
| PoE Power Output        |           | Per Port 48V DC, 350 mA. Max. 15.4 watts                                                                                                                                                                                                                                                                                                         |
| Web Interface           |           |                                                                                                                                                                                                                                                                                                                                                  |
| Installation Management |           | Web-based configuration                                                                                                                                                                                                                                                                                                                          |
| Maintenance             |           | Firmware upgrade through Web Browser or Utility                                                                                                                                                                                                                                                                                                  |
| Access from Web Browser |           | Camera Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Text Overlay, Digital PTZ                                                                                                                                                              |
| Language                |           | Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian / Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish |
| Applications            |           |                                                                                                                                                                                                                                                                                                                                                  |
| Network Storage         |           | GV-System (GV-DVR/NVR), GV-Recording Server, GV-VMS                                                                                                                                                                                                                                                                                              |
| Smart Device Access     |           | GV-Eye for iOS and Android                                                                                                                                                                                                                                                                                                                       |
| Live Viewing            |           | IE, Mobile App                                                                                                                                                                                                                                                                                                                                   |
| CMS Server support      |           | GV-Control Center, GV-Center V2, GV-Vital Sign Monitor                                                                                                                                                                                                                                                                                           |

**Note:** Specifications are subject to change without prior notice.

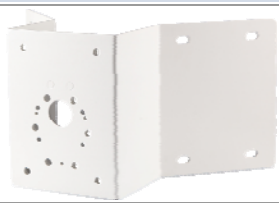
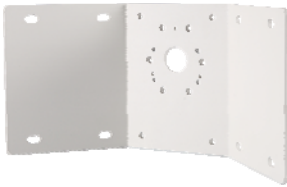
## Packing List

- |                                                                            |                                  |
|----------------------------------------------------------------------------|----------------------------------|
| 1. Target Vandal Proof Dome                                                | 11. Big Concave hexagon Wrench   |
| 2. Screw x 4                                                               | 12. Small Concave hexagon Wrench |
| 3. Screw Anchor x 4                                                        | 13. Silica Gel Bag               |
| 4. TV-Out Wire                                                             | 14. Sticker (for Silica Gel Bag) |
| 5. Audio Wires x 2                                                         | 15. Ruler                        |
| 6. Installation Sticker                                                    | 16. GV-IPCAM H.264 Software DVD  |
| 7. Conduit Converter                                                       | 17. GV-NVR Software DVD          |
| 8. RJ-45 Connector                                                         | 18. Warranty Card                |
| 9. Waterproof rubber sets<br>(for RJ-45 Cat.5 and DC12V / for RJ-45 Cat.6) |                                  |
| 10. Torx Wrench                                                            |                                  |

**Note:** Power adapters can be purchased upon request.

## Accessories

| Model No.   | Name                                   |                                                                                     | Details                                                                              |
|-------------|----------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| GV-Mount100 | Straight Tube and Junction Box Kit     |   | Dimensions: 200 x 170 x 257.5 mm (7.9 x 6.7 x 10.1")<br>Weight: 3.17 kg (6.99 lb)    |
| GV-Mount101 | Straight Tube Kit                      |  | Dimensions: 219 x 125 x 332 mm (8.6 x 4.9 x 13.1")<br>Weight: 1.8 kg (3.97 lb)       |
| GV-Mount200 | Wall Pendant Tube                      |  | Dimensions: 225 x 140 x 250 mm (8.9 x 5.5 x 9.8")<br>Weight: 900 g (1.98 lb)         |
| GV-Mount203 | Wall Pendant Tube and Junction Box Kit |  | Dimensions: 315 x 195.5 x 225 mm (12.4 x 7.7 x 8.9")<br>Weight: 2.95 kg (6.5 lb)     |
| GV-Mount206 | Wall Mount Bracket Kit                 |  | Dimensions: 126.5 x 211.3 x 176.85 mm (5 x 8.3 x 6.96")<br>Weight: 0.93 kg (2.06 lb) |

| Model No.   | Name                                |                                                                                         | Details                                                                                                                                                                                                                  |
|-------------|-------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GV-Mount300 | Convex Corner Adapter Kit           |        | Dimensions: 238.6 x 409.5 mm (9.4 x 16.1")<br>Weight: 4.27 kg (9.41 lb)                                                                                                                                                  |
| GV-Mount310 | Concave Corner Adapter Kit          |        | Dimensions: 123.3 x 393.1 mm (4.9 x 15.5")<br>Weight: 2.96 kg (6.53 lb)                                                                                                                                                  |
| GV-Mount400 | Pole Mount Bracket Kit (Ø 4 ~ 6")   |  | Bracket: 241 x 161 mm (9.5 x 6.3")<br>Weight: 1.70 kg ( 3.75 lb)<br>Steel Strap Diameter: Ø 4 ~ 6"                                                                                                                       |
| GV-Mount410 | Pole Mount Bracket Kit (Ø 6 ~ 7.5") |  | Bracket: 241 x 161 mm (9.5 x 6.3")<br>Weight: 1.70 kg (3.75 lb)<br>Steel Strap Diameter: Ø 6 ~ 7.5"                                                                                                                      |
| GV-Mount702 | Extension Tube                      |      | <b>Four</b> options are available.<br>Dimensions:<br>Ø 5.4 x 10 or 20 or 30 or 50 cm<br>(Ø 2.1 x 3.9 or 7.9 or 11.8 or 19.7")<br>Weight:<br>180 g or 390 g or 550 g or 800 g<br>(0.4 lb or 0.86 lb or 1.21lb or 1.76 lb) |
| GV-Mount900 | Wall Mount Bracket                  |      | Dimensions: 154 x 108 x 50 mm (6.1 x 4.3 x 2")<br>Weight: 240 g (0.53 lb)                                                                                                                                                |
| GV-Mount903 | GV-VD Series Dome Housing           |      | Dimensions: Ø 186 x 97.5 mm (Ø 7.3 x 3.8")<br>Weight: 600 g (1.32 lb)                                                                                                                                                    |
| GV-Mount916 | In-Ceiling Mount                    |      | Dimensions: Ø 205 x 63.8 mm (Ø 8 x 2.5")<br>Weight: 645 g                                                                                                                                                                |

| Model No.                      | Name                                                                                                                                                                                     | Details                                                                                                     |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| GV-PA191 PoE Adapter           |                                                                                                         | <p>Dimensions (H x W x D): 43 x 69 x 40 mm (1.69 x 2.72 x 1.57")</p> <p>Weight: 130 g (0.29 lb)</p>         |
| Plastic PG21 Conduit Connector |                                                                                                         | The plastic PG21 conduit connector is used for running the wires of the camera through a 1/2" conduit pipe. |
| Metal PG21 Conduit Connector   |                                                                                                         | The metal PG21 conduit connector allows you to run the wires through a 3/4" conduit pipe.                   |
| GV-POE Switch                  | The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports. |                                                                                                             |
| Power Adapter                  | Contact your sales representative for the countries and areas supported.                                                                                                                 |                                                                                                             |