GV-EVD5100  5MP H.264 Low Lux WDR IR Vandal Proof IP Dome

- 1/3.2” progressive scan low lux CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 2592 x 1944
- Vandal resistance (IK10)
- Ingress protection (IP67)
- Intelligent IR
- Day and Night function (with removable IR-cut filter)
- Megapixel varifocal lens
- P-Iris lens for auto Iris control
- IR distance up to 30 m (98.4 ft)
- 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
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More storage option - NAS

Introduction

GV-EVD5100 is an outdoor camera designed with IK10 vandal resistance and IP67 ingress protection. The camera is featured with WDR, an automatic IR-cut filter and IR LEDs for day and night surveillance. 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

<table>
<thead>
<tr>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>160 mm (6.2&quot;)</td>
<td>96 mm (3.7&quot;)</td>
</tr>
<tr>
<td>108.4 mm (4.2&quot;)</td>
<td>59.6 mm (2.3&quot;)</td>
</tr>
</tbody>
</table>

### Specifications

#### PC Requirements
- **CPU**: Intel Core i5-4670 @ 3.40 GHz
- **Memory**: DDR3 4 GB RAM
- **On Board Graphics**: Intel HD Graphics 4600 (Versions of driver from year 2014 or later required)

#### Camera
- **Image Sensor**: 1/3.2” progressive scan low lux CMOS
- **Picture Elements**: 2592 (H) x 1944 (V)
- **Minimum Illumination**:
  - Color: 0.12 Lux
  - B/W: 0.10 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**: 46 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**: 92° ~ 32°
- **Image Format**: 1/3.2”
- **Operation**:
  - Focus: Manual (w/lock)
  - Zoom: Manual (w/lock)
  - Iris: P-Iris
- **Max. Torque (Focus / Zoom Screws)**: 0.049 N.m
- **IR LED Quantity**: 20 IR LEDs
- **Max. IR Distance**: 30 m (98.4 ft)

#### Operation
- **Video Compression**: H.264, MJPEG
- **Video Streaming**: Dual streams from H.264 and MJPEG
- **Frame Rate**: 30 fps at 2592 x 1944 (60/50 Hz)
  - *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, Noise Reduction
- **Audio Compression**: G.711, AAC (Optional)
- **Audio Support**: Two-way Audio
### Video Resolution

<table>
<thead>
<tr>
<th></th>
<th>Main Stream</th>
<th>Sub Stream</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>4:3</td>
<td>4:3</td>
</tr>
<tr>
<td></td>
<td>2592 x 1944 (Default), 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480, 320 x 240</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16:9</td>
<td>16:9</td>
</tr>
<tr>
<td></td>
<td>1920 x 1080, 1280 x 720, 640 x 360, 448 x 252</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5:4</td>
<td>5:4</td>
</tr>
<tr>
<td></td>
<td>1280 x 1024, 640 x 512, 320 x 256</td>
<td></td>
</tr>
</tbody>
</table>

### Network

- Interface: 10/100 Ethernet
- Ethernet Protocol: DHCP, DynDNS, FTP, HTTP, HTTPS, IPv6, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA

### Mechanical

| Temperature Detector | 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 phone jack, 3.5 mm / 0.14”) |
|                      |           | 1 Out (stereo phone jack, 3.5 mm / 0.14”) |
| LED Indicator         | TV-Out    | BNC connector (D1 resolution) |
|                      |          | 2 LEDs: Power, Status |

### General

- Environment Temperature Start-up: -20 °C ~ 50 °C (-4 °F ~ 122 °F)
- Environment Temperature 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: 7 W
- Dimension: ø 160 x 108.4 mm (6.2 x 4.27”)
- Weight: 1.15 kg (2.54 lb)
- Ingress Protection: IP67
- Vandal Resistance: IK10
- 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, 350mA. 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: Browser (IE, Chrome, Firefox, Safari), Mobile App
- CMS Server support: GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

**Note:**

1. Specifications are subject to change without prior notice.
2. When the resolution is set at 2592 x 1944:
   - If the camera is switched to single stream (while stream two is deselected) and Noise Reduction is disabled, the frame rate can reach up to 30 FPS.
   - If the camera is switched to dual streams and Noise Reduction is disabled, the frame rate can reach up to 25 FPS.
• As long as Noise Reduction is enabled, whether the camera is switched to single stream or dual streams, the frame rate will be 15 FPS.

Packing List
1. Target Vandal Proof Dome
2. Screw x 4
3. Screw Anchor x 4
4. TV-Out Wire
5. Audio Wires x 2
6. Installation Sticker
7. Conduit Converter
8. RJ-45 Connector
9. Waterproof rubber sets
   (for RJ-45 Cat.5 and 12V DC / for RJ-45 Cat.6)

Note: Power adapters can be purchased upon request.

Accessories

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Name</th>
<th>Details</th>
</tr>
</thead>
</table>
| GV-Mount100 | Straight Tube and Junction Box Kit | Dimensions: 200 x 170 x 257.5 mm (7.9 x 6.7 x 10.1")  
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")  
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")  
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")  
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")  
Weight: 0.93 kg (2.06 lb) |
<table>
<thead>
<tr>
<th>Model No.</th>
<th>Name</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>GV-Mount300</td>
<td>Convex Corner Adapter Kit</td>
<td>Dimensions: 238.6 x 409.5 mm (9.4 x 16.1&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Weight: 4.27 kg (9.41 lb)</td>
</tr>
<tr>
<td>GV-Mount310</td>
<td>Concave Corner Adapter Kit</td>
<td>Dimensions: 123.3 x 393.1 mm (4.9 x 15.5&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Weight: 2.96 kg (6.53 lb)</td>
</tr>
<tr>
<td>GV-Mount400</td>
<td>Pole Mount Bracket Kit (Ø 4 ~ 6&quot;)</td>
<td>Bracket: 241 x 161 mm (9.5 x 6.3&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 4 ~ 6&quot;</td>
</tr>
<tr>
<td>GV-Mount410</td>
<td>Pole Mount Bracket Kit (Ø 6 ~ 7.5&quot;)</td>
<td>Bracket: 241 x 161 mm (9.5 x 6.3&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 6 ~ 7.5&quot;</td>
</tr>
<tr>
<td>GV-Mount702</td>
<td>Extension Tube</td>
<td>Four options are available. Dimensions: Ø 5.4 x 10 or 20 or 30 or 50 cm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Ø 2.1 x 3.9 or 7.9 or 11.8 or 19.7&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Weight: 180 g or 390 g or 550 g or 800 g (0.4 lb or 0.86 lb or 1.21 lb or 1.76 lb)</td>
</tr>
<tr>
<td>GV-Mount900</td>
<td>Wall Mount Bracket</td>
<td>Dimensions: 154 x 108 x 50 mm (6.1 x 4.3 x 2&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Weight: 240 g (0.53 lb)</td>
</tr>
<tr>
<td>GV-Mount903</td>
<td>GV-VD Series Dome Housing</td>
<td>Dimensions: Ø 186 x 97.5 mm (Ø 7.3 x 3.8&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Weight: 600 g (1.32 lb)</td>
</tr>
<tr>
<td>GV-Mount916</td>
<td>In-Ceiling Mount</td>
<td>Dimensions: Ø 205 x 63.8 mm (Ø 8 x 2.5&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Weight: 645 g</td>
</tr>
<tr>
<td>Model No.</td>
<td>Name</td>
<td>Details</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>GV-PA191</td>
<td>PoE Adapter</td>
<td>Dimensions (H x W x D): 43 x 69 x 40 mm (1.69 x 2.72 x 1.57&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Weight: 130 g (0.29 lb)</td>
</tr>
<tr>
<td></td>
<td>Plastic PG21 Conduit Connector</td>
<td>The plastic PG21 conduit connector is used for running the wires of the camera through a 1/2&quot; conduit pipe.</td>
</tr>
<tr>
<td></td>
<td>Metal PG21 Conduit Connector</td>
<td>The metal PG21 conduit connector allows you to run the wires through a 3/4&quot; conduit pipe.</td>
</tr>
<tr>
<td></td>
<td>GV-POE Switch</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>Power Adapter</td>
<td>Contact your sales representative for the countries and areas supported.</td>
</tr>
</tbody>
</table>