

GV-AVD8710 8MP H.265 4.3x Zoom Super Low Lux WDR Pro IR Vandal Proof IP

Dome



- 1/2" progressive scan super low lux CMOS
- Min. illumination at 0.003 lux
- Triple streams from H.265, H.264 and MJPEG
- Up to 20 fps at 3840 x 2160,
30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440
- Motorized varifocal lens for remote focus / zoom adjustment
- Intelligent IR
- IR distance up to 30 m (100 ft)
- Day and Night function (with removable IR-cut filter)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- 3-axis mechanism (pan / tilt / rotate)
- DC 12V / PoE (IEEE 802.3af)
- Built-in micro SD card slot (SD / SDHC / SDXC / UHS-I) for local storage
- Two-way audio
- Wide Dynamic Range Pro (WDR Pro)
- Defog
- 3D noise reduction
- Motion detection
- Tampering Alarm
- Text overlay
- Privacy mask
- ONVIF (Profile G, S, T) conformant

Introduction

The Vandal Proof IP Dome is an outdoor camera designed with IK10 vandal resistance and IP67 ingress protection. GV-AVD8710 supports H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. The camera is equipped with 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. The camera is capable of providing a color live view not only in near darkness but also under contrasting light intensities with its super low lux CMOS image sensor and WDR pro.

Active Tampering Alarm

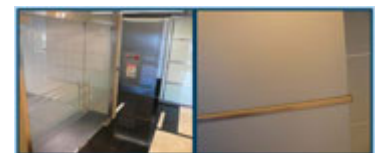
Tampered



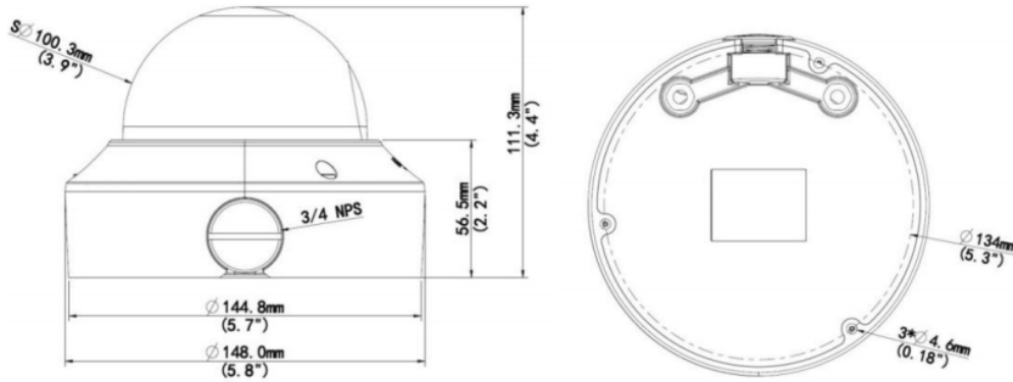
Focus Change



Camera Shift



Dimensions



Specifications

| Camera | | |
|----------------------|--------|---|
| Image Sensor | | 1/2" progressive scan super low lux CMOS |
| Picture Elements | | 3840 (H) x 2160 (V) |
| Minimum Illumination | Color | 0.003 Lux (F1.5, AGC ON) |
| | IR On | 0 Lux |
| Shutter Speed | | Auto, Manual (1/6 ~ 1/100000 sec) |
| White Balance | | Auto, Manual |
| Gain Control | | Auto, Manual |
| S/N Ratio | | 52 dB |
| WDR Pro | | Yes |
| Dynamic Range | | Up to 120 dB |
| Lens | | |
| Megapixel | | 8 MP |
| Day/Night | | Yes (with removable IR-cut filter) |
| Focal Length | | 2.8 ~ 12 mm |
| Lens Type | | Motorized varifocal lens |
| Maximum Aperture | | F/1.5 |
| Mount | | Ø14 mm |
| Horizontal FOV | | 114.8°~47.3° |
| Operation | Focus | Auto / Manual |
| | Zoom | 4.3x Optical Zoom |
| | Iris | Fixed |
| IR LED Quantity | | 2 IR LEDs |
| Max. IR Distance | | 30 m (100 ft) |
| Operation | | |
| Video Compression | | H.265, H.264, MJPEG |
| Video Streaming | | Triple streams |
| Frame Rate | | 20 fps at 3840 x 2160, 30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440 (60 / 50 Hz) * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes). |
| Video Analytics | | Motion Detection, Tampering Alarm, Audio Detection, Cross Line, Intrusion, Object Moving, Object Left, Defocus, Scene Change, Face Detection, People Counting *Tampering Alarm, Audio Detection, Cross Line, Intrusion, Object Moving, Object Left, Defocus, Scene Change, Face Detection and People Counting are only accessible through the camera's Web interface, which can be used to trigger alerts such as e-mail and FTP |
| Image Setting | | Brightness, Contrast, Saturation, Sharpness, Flicker-less, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270°-including Corridor format) |
| Audio Compression | | G.711 |
| Audio Support | | Two-way Audio (external microphone and speaker required) |
| Digital I/O | Input | 1 Input, dry contact, NO / NC |
| | Output | 1 Relay Output (1A 30V DC / 0.3A 125V AC) |

| Video Resolution | | |
|-------------------------|--|--|
| Video Resolution | Main Stream | 3840 x 2160 (Default), 2944 x 1656, 2592 x 1944, 2560 x 1440, 1920 x 1080 |
| | Sub Stream | 1920 x 1080, 1280 x 720, 720 x 576, 704 x 288, 640 x 360 (Default), 352 x 288 |
| | Third Stream (Closed by Default) | 720 x 576, 704 x 288, 640 x 360, 352 x 288 |
| Network | | |
| Interface | 10/100 Ethernet | |
| Ethernet Protocol | 802.1x, ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP, UDP, UPnP, ONVIF (Profile G, S, T) | |
| Mechanical | | |
| Camera Angle Adjustment | Pan | 0° ~ 360° |
| | Tilt | 0° ~ 80° |
| | Rotate | 0° ~ 360° |
| Connectors | Power | DC Jack (DV 12V, 1.25A) , PoE |
| | Ethernet | RJ-45 |
| | Audio | 1 in (Audio In Wire); 1 out (Audio Out Wire) *The Audio In port only supports microphones with power supply |
| | Digital I/O | 4-pin terminal block pitch 3.5 mm (0.14") |
| | Local Storage | Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) * UHS-II card type is not supported. |
| | TV-Out | BNC connector |
| General | | |
| Environment Temperature | -40°C ~ 60°C (-22°F ~ 140°F) | |
| Humidity | 0% to 95% (no condensation) | |
| Power Source | 12V DC / PoE (IEEE 802.3af) | |
| Max. Power Consumption | 8 W | |
| Dimension | Ø148 x 111.3 mm (Ø5.8" x 4.4") | |
| Weight | 0.75 kg (1.7 lb) | |
| Ingress Protection | IP67 | |
| Vandal Resistance | IK10 for metal casing | |
| Regulatory | CE, FCC, RoHS compliant | |
| Web Interface | | |
| Installation Management | Web-based configuration | |
| Maintenance | Firmware upgrade through Web Browser or Utility | |
| Access from Web Browser | Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Text Overlay, Image Masking | |
| Language | Czech, English, French, German, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish, Traditional Chinese | |
| Applications | | |
| Network Storage | GV-DVR / NVR (V8.7.4.0), GV-VMS (V17.1), GV-Control Center (V3.5.0.0), GV-Edge Recording Manager (V1.3.0.0), GV-Recording Server / Video Gateway (V1.4.0.0), GV-Redundant / Failover Server (V1.1.0.0) | |
| Smart Device Access | GV-Eye for iOS and Android | |
| Live Viewing | Browser (IE, Edge, Chrome, Firefox, Safari), Mobile App | |

Note:









1. It is required to apply patch files to all the supported software.
2. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
3. Specifications are subject to change without notice.


Packing List

- | | |
|--------------------------|-------------------|
| 1. IR Vandal Proof Dome | 5. Torx Wrench |
| 2. Waterproof Rubber Set | 6. Download Guide |
| 3. Screw Kit | 7. Warranty Card |
| 4. Drill Template Paster | |

Note: Power adapters can be purchased upon request.

Accessories

| Model No. | Name | | Details |
|---|-----------------------------|---|--|
| GV-Mount107 (must be used with GV-Mount212-2) | Pendant Bracket |  | Dimensions: \varnothing 120 x 334 mm (\varnothing 4.72" x 13.15") Weight: 0.74 kg (1.63 lb) |
| GV-Mount211-2 | Wall Mount and Junction Box |  | Dimensions: \varnothing 253 x 125 x 125 mm (\varnothing 10" x 4.9" x 4.9") Weight: 0.92 kg (2.02 lb) |
| GV-Mount212-2 | Wall Box Mount |  | Dimensions: \varnothing 145 x 40 mm (\varnothing 5.7" x 1.6") Weight: 0.24 kg (0.5lb) |
| GV-Mount300-2 | Convex Corner Mount |  | Dimensions: 137 x 233 x 160 mm (5.4" x 9.17" x 6.3") Weight: 1.65 kg (3.64 lb) |
| GV-Mount310-2 | Concave Corner Mount |  | Dimensions: 111.2 x 369.9 x 210 mm (2.6" x 11.4" x 6.6") Weight: 1.65 kg (3.64 lb) |
| GV-Mount420 (must be used with GV-Mount211-2) | Pole Mount Bracket |  | Dimensions: \varnothing 120 x 120 x 53.4 mm (\varnothing 4.7" x 4.7" x 2.1") Weight: 0.45 kg (0.99 lb) Steel Strap Diameter: \varnothing 67 ~ 127 mm (\varnothing 2.6" ~ 5") |
| GV-Mount606 | In-Ceiling Mount |  | Dimensions: \varnothing 235 x 63 mm (\varnothing 9.3" x 2.5") In-ceiling hole: \varnothing 195 mm (\varnothing 7.67") Weight: 0.49 kg (1.1 lb) |
| GV-Mount704 (must be used with GV-Mount107) | Extension Tube |  | Dimensions: \varnothing 3.5 x 10 or 20 or 30 or 50 cm (\varnothing 1.38 x 3.9 or 7.9 or 11.8 or 19.7") Weight: 225g or 360g or 500g or 780g (0.5 lb or 0.79 lb or 1.1 lb or 1.72 lb) |

| Model No. | Name | Details |
|---------------|---|--|
| GV-PA191 | Power over Ethernet (PoE) Adapter |  <p>The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.</p> |
| GV-POE Switch | <p>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.</p> | |
| Power Adapter | <p>Contact our sales representatives for the countries and areas supported.</p> | |