

GV-VD2500 2MP H.264 Super Low Lux WDR IR Vandal Proof IP Dome



- 1/2.8" progressive scan super low lux CMOS
- Min. illumination at 0.02 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Vandal resistance (IK10+)
- Ingress protection (IP67)
- Varifocal megapixel lens
- 3-axis mechanism (pan / tilt / roll)
- Day/Night function (with removable IR-cut filter)
- External microphone
- Intelligent IR
- IR distance up to 30 m (98.4 ft)
- Two-way audio
- One sensor input and alarm output
- TV-out support
- Built-in micro SD card slot (SD/SDHC) for local storage
- Recording assigned by GV-Edge Recording Manager (Windows, Mac version)
- DC 12V / AC 24V / PoE (IEEE 802.3af)
- Wide Dynamic Range (WDR)
- 3D DNR (Digital Noise Reduction)
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More storage option – [NAS](#)

***No Memory card slot & local storage function for Argentina.**

Active Tampering Alarm

Tampered



Focus Change



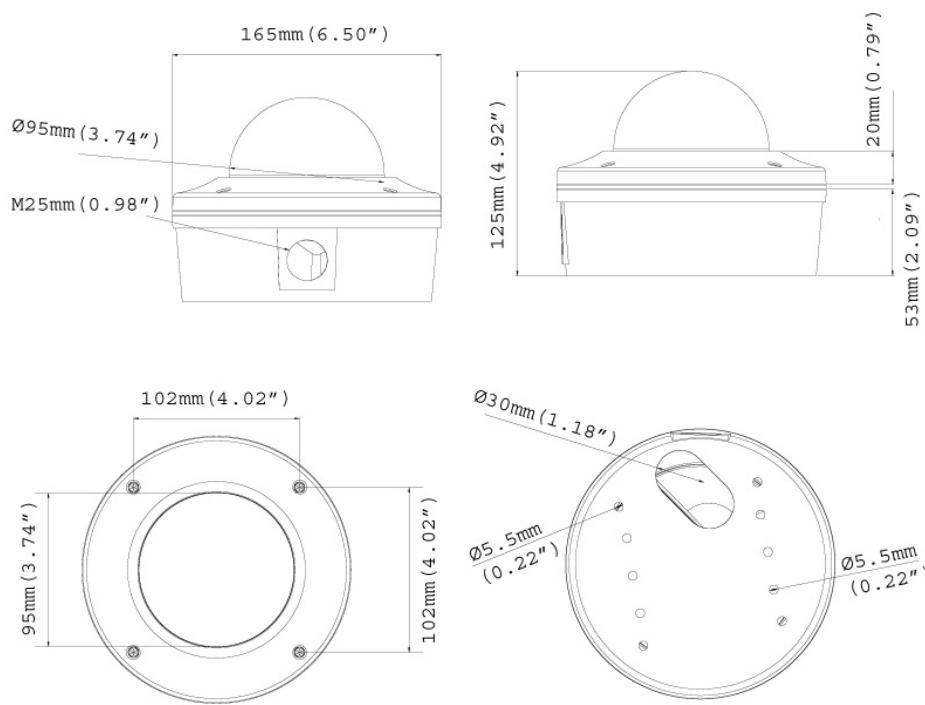
Camera Shift



Introduction

The GV-VD2500 is an outdoor camera (IP67) designed with vandal protection (IK10+). The camera is capable of providing a color live view in near darkness using its super low lux CMOS image sensor. The camera also supports various installations, including wall surface, wall corner, pole and ceiling using the GV-Mount accessories (optional).

Dimensions



Specifications

Camera

Image Sensor	1/2.8" progressive scan super low lux CMOS"
Picture Elements	1920 (H) x 1080 (V)
Minimum Illumination	0.02 Lux
B/W	
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	52 dB
WDR	Yes

Lens

Megapixel	Yes						
Day / Night	Yes (with removable IR-cut filter)						
Lens Type	Varifocal						
Focal Length	3 ~ 9 mm						
Maximum Aperture	F/1.2						
Mount	Ø 14 mm						
Image Format	1/2.7"						
Horizontal FOV	103°~36°						
Operation	<table border="1"> <tr> <td>Focus</td> <td>Manual (w / lock)</td> </tr> <tr> <td>Zoom</td> <td>Manual (w / lock)</td> </tr> <tr> <td>Iris</td> <td>DC drive</td> </tr> </table>	Focus	Manual (w / lock)	Zoom	Manual (w / lock)	Iris	DC drive
Focus	Manual (w / lock)						
Zoom	Manual (w / lock)						
Iris	DC drive						
Max. Torque (Focus/ Zoom Screws)	0.049 N.m						
IR LED Quantity	10 IR LEDs						
Max. IR Distance	30 m (98.4 ft)						

Operation

Video Compression	H.264, MJPEG
Video Stream	Dual streams from H.264 and MJPEG

Frame Rate	30 fps at 1920 x 1080 * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).	
Image Setting	Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Backlight Compensation, D/N Sensitivity, Shutter Speed, WDR, Defog, Super Low Lux, Denoise, Metering	
Audio Compression	G.711, AAC (optional)	
Audio Support	Two-way audio	
Sensor Input	1 Input (dry contact)	
Alarm Output	1 Output (200 mA 5V DC)	
Video Resolution		
Main Stream	4:3	1280 x 960, 640 x 480, 320 x 240
	16:9	1920 x 1080, 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, 448 x 252
	5:4	640 x 512, 320 x 256
Network		
Interface	10/100M 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	10° ~ 90°
	Rotate	0° ~ 340°
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (RCA female for microphone) 1 Out (RCA female for speaker)
	Digital I/O	I/O wire
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.
	TV-Out	BNC connector (640 x 480 resolution)
LED Indicator	2 LEDs: Power, Status	
General		
Environment Temperature	-30°C ~ 50°C (-22°F ~ 122°F)	
Humidity	10% to 90% (no condensation)	
Power Source	12V DC / 24V AC / PoE (IEEE 802.3af)	
Max. Power Consumption	12 W	
Dimensions	Camera Body	Ø 165 x 125 mm (6.49" x 4.92")
	Cable Length	1 m (3.28 ft.)
	Cable Diameter	Ø 16.7 mm (0.66")
	Maximum Connector Diameter	Ø 16.7 mm (0.66")
	Weight	1.7 kg (3.75 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, 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, Digital I/O Control, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, 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-Backup Center, GV-Recording Server, GV-VMS
Smart Device Access	GV-Eye for iOS and Android
Live Viewing	IE, mobile phone
CMS Server support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

Note:

1. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
2. Specifications are subject to change without notice.

3. Mind the following when using a memory card for recording:

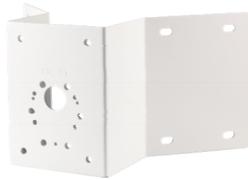
- Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
- The stored data can be lost if the memory card is not accessed for a long period of time. Back up your data periodically if you seldom access the memory card.
- Memory cards are expendable and their durability varies according to the conditions of the installed site and how they are used. Back up your data regularly and replace the memory card annually.
- To avoid power outage, it is highly suggested to apply a battery backup (UPS).
- For better performance, it is highly suggested to use Micro SD card of MLC NAND flash, Class 10.
- Replace the memory card when its read/write speed is lower than 6 MB/s or when the memory card is frequently undetected by the camera.

Packing List

1. Vandal Proof IP Dome	10. Plastic Clip x 3
2. Silica Gel Bag x 2	11. Focus Adjustment Cap
3. Screw Anchor x 4	12. 2-Pin Terminal Block
4. Torx Wrench	13. Power Adapter
5. Ceiling Screw x 4	14. GV-IPCAM H.264 Software DVD
6. Blue Screw x 3	15. GV-NVR Software DVD
7. T-Cap Screw x 3	16. Warranty Card
8. Small Screw Cap x 3	
9. T-Cap x 3	

Note: The power adapter can be excluded upon request.

Accessories

Model No.	Name	Details
GV-Mount100	Straight Tube and Junction Box Kit	 <p>Dimensions: 200 x 170 x 257.5 mm (7.9" x 6.7" x 10.1") Weight: 3.17 kg (6.99 lb)</p>
GV-Mount101	Straight Tube Kit	 <p>Dimensions: 219 x 125 x 332 mm (8.6" x 4.9" x 13.1") Weight: 1.8 kg (3.97 lb)</p>
GV-Mount200	Wall Pendant Tube	 <p>Dimensions: 225 x 140 x 250 mm (8.9" x 5.5" x 9.8") Weight: 900 g (1.98 lb)</p>
GV-Mount203	Wall Pendant Tube and Junction Box Kit	 <p>Dimensions: 315 x 195.5 x 225 mm (12.4" x 7.7" x 8.9") Weight: 2.95 kg (6.5 lb)</p>
GV-Mount205	Wall Mount Bracket Kit	 <p>Dimensions: 126.5 x 203 x 160 mm / 5 x 8 x 6.3" (L x W x diameter) Weight: 0.5 kg / 1.1 lb</p>
GV-Mount300	Convex Corner Adapter Kit	 <p>Dimensions: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 kg (9.41 lb)</p>
GV-Mount310	Concave Corner Adapter Kit	 <p>Dimensions: 123.3 x 393.1 mm (4.9" x 15.5") Weight: 2.96 kg (6.53 lb)</p>
GV-Mount400	Pole Mount Bracket Kit (Ø 4" ~ 6")	 <p>Dimensions Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 4" ~ 6"</p>

Model No.	Name	Details
GV-Mount410	Pole Mount Bracket Kit (\varnothing 6" ~ 7.5")	 <p>Dimensions Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: \varnothing 6" ~ 7.5"</p>
GV-Mount702	Extension Tube	 <p>Four options are available. Dimensions: \varnothing 5.4 x 10 or 20 or 30 or 50 cm (\varnothing 2.1" x 3.9" or 7.9" or 11.8" or 19.7") Weight: 180 g or 390 g or 550 g or 800 g (0.4 lb or 0.86 lb or 1.21lb or 1.76 lb)</p>
GV-Mount900	Wall Mount Bracket	 <p>Dimensions: 154 x 108 x 50 mm (6.1" x 4.3" x 2") Weight: 240 g (0.53 lb)</p>
GV-Mount902	GV-FD Series Dome Housing	 <p>Dimensions: \varnothing 186 x 97.5 mm (\varnothing 7.3" x 3.8") Weight: 600 g (1.32 lb)</p>
GV-Mount909	Wall Mount Bracket	 <p>Dimensions: 170 x 150 x 110 mm (6.7" x 5.9" x 4.3") Weight: 610 g (1.34 lb)</p>
	Smoked Cover	 <p>Dimensions: \varnothing 103.7 x 55 mm (4.08" x 2.16") Weight: 30 g (0.07 lb) Vandal Resistance: IK10+</p>
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>

Model No.	Name	Details
GV-Relay V2	GV-Relay V2	 <p>The GV-Relay V2 is designed to expand the voltage load of GV IP devices. It provides 4 relay outputs, and each can be set as normally open (NO) or normally closed (NC) independently as per your requirement.</p>
Power Adapter	Contact your sales representative for the countries and areas supported.	
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.	