

## GV-VD3700 3MP H.265 Super Low Lux WDR Pro IR Vandal Proof IP Dome



- 1/2.8" progressive scan super low lux CMOS
- Min. illumination at 0.01 lux
- Triple streams from H.264, H.265 and MJPEG
- Up to 30 fps at 2048 x 1536
- P-Iris for auto iris adjustment
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Varifocal megapixel lens
- 3-axis mechanism (pan / tilt / rotate)
- Intelligent IR
- Day/Night function (with removable IR-cut filter)
- External microphone
- IR distance up to 30 m (100 ft)
- Two-way audio
- One sensor input and digital output
- Built-in micro SD card slot (SD/SDHC/SDXC/UHS-I) for local storage
- DC 12V / PoE (IEEE 802.3af)
- Wide Dynamic Range Pro (WDR Pro)
- Smart streaming
- Defog
- Text overlay
- Tampering alarm
- 3D noise reduction
- 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, T) conformant

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

\*Smart streaming requires GV-DVR / NVR V8.7.0, GV-VMS V16.10.3.0 or later software versions.

### Introduction

GV-VD3700 is an outdoor camera for optimal day and night surveillance. The camera can support H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. For night operations, the camera allows up to 30 m (100 ft) IR effective distance. GV-VD3700 is capable of not only providing a color live view in near darkness but also under contrasting light intensities using its super low lux CMOS image sensor and WDR Pro. It is adjustable in 3 axes (pan, tilt and rotate).

### Active Tampering Alarm

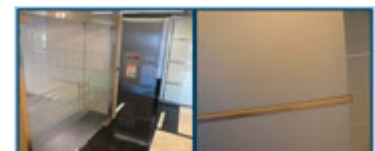
Tampered



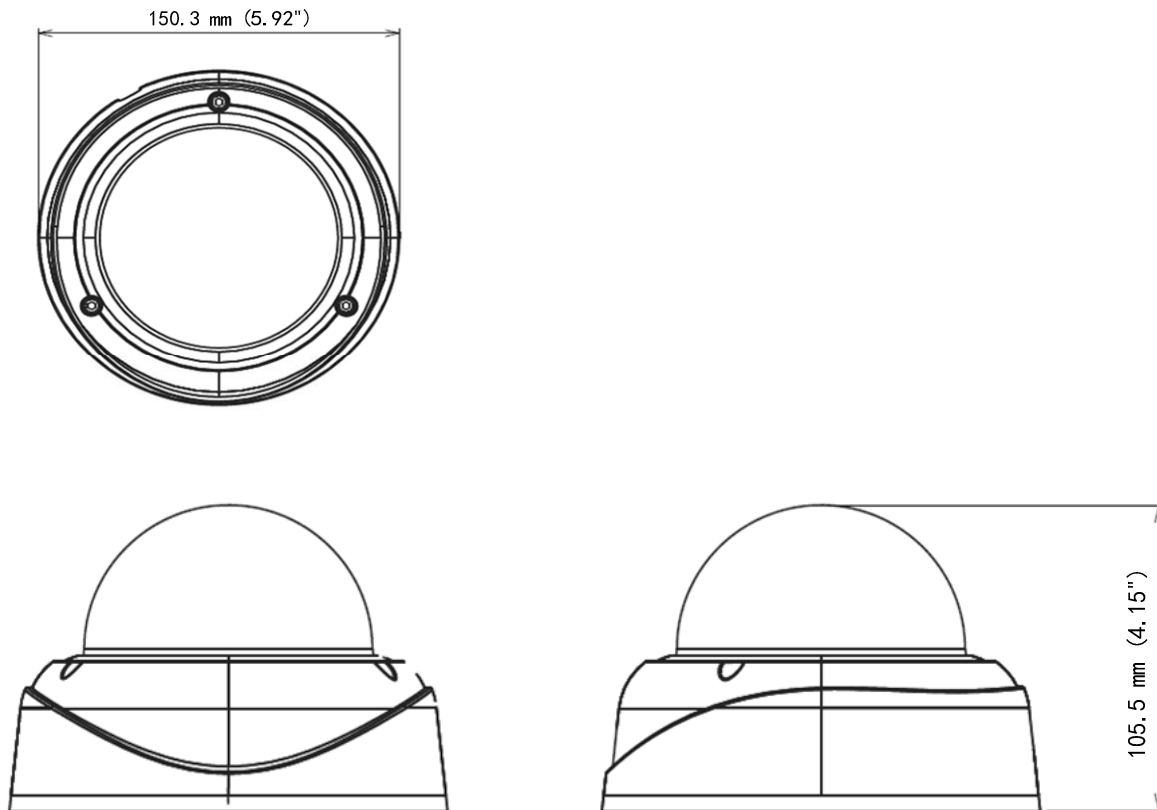
Focus Change



Camera Shift



## Dimensions



## Specifications

Camera		
Image Sensor	1/2.8" progressive scan super low lux CMOS	
Picture Elements	2048 (H) x 1536 (V)	
Minimum Illumination	Color	0.01 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	54 dB	
WDR Pro	Yes	
Dynamic Range	120 dB	
BLC	Yes	
Lens		
Megapixel	Yes	
Day / Night	Yes (with removable IR-cut filter)	
Lens Type	Varifocal	
Focal Length	2.8 ~ 12 mm	
Maximum Aperture	F/1.7	
Mount	Ø 14 mm	
Image Format	1/2.7"	
Horizontal FOV	98° ~ 35°	
Operation	Focus	Manual (w / lock)
	Zoom	Manual (w / lock)
	Iris	P-Iris
Max. Torque (Focus/ Zoom Screws)	0.049 N.m	
IR LED Quantity	12 IR LEDs	
Max. IR Distance	30 m (100 ft)	

Operation		
Video Compression		H.265, H.264, MJPEG
Video Stream	Stream 1	H.265 or H.264
	Stream 2	H.265, H.264 or MJPEG
	Stream 3	H.265, H.264 or MJPEG
Frame Rate		30 fps at 2048 x 1536 (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, Backlight Compensation, D/N Sensitivity, WDR, Defog, Low Lux Enhancement, Denoise, Metering
Audio Compression		G.711
Audio Support		Two-way Audio (external microphone and speaker required)
Sensor Input		1 Input (dry contact)
Alarm Output		1 Output (200 mA 5V DC)
Video Resolution		
Main Stream	4:3	2048 x 1536 (Default), 1600 x 1200, 1280 x 960, 640 x 480
	16:9	1920 x 1080, 1280 x 720, 640 x 360
	5:4	1280 x 1024, 640 x 512
Sub Stream	4:3	1024 x 768, 640 x 480 (Default), 320 x 240
	16:9	1280 x 720, 640 x 360, 448 x 256
	5:4	1280 x 1024, 640 x 512, 320 x 256
Third Stream (Closed by Default)	4:3	640 x 480, 320 x 240
	16:9	640 x 360, 448 x 256
	5:4	640 x 512, 320 x 256
Network		
Interface		10/100 Ethernet
Ethernet Protocol		DHCP, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IPv4, IPv6, Multicast, NTP, ONVIF (Profile S, T), QoS (DSCP), RTP, RTCP, RTSP, SNMP, SMTP, SSL, TCP/IP, UDP, UPnP, 3GPP/ISMA
Security Feature		<ul style="list-style-type: none"> <li>- No default ID and Password</li> <li>- 802.1x authentication</li> <li>- HTTPS with a SSL certificate stored in the camera</li> <li>- 256-bit AES encryption (requires firmware V1.14 or later working with GV-VMS V18.1 or later)</li> </ul>
Mechanical		
Temperature Detector		Yes
Camera Angle Adjustment	Pan	0° ~ 360°
	Tilt	90° ~ 180°
	Rotate	0° ~ 355°
Connectors	Power	2-pin terminal block (DC 12V, 1.25A), PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45
	Audio	1 In (terminal block for microphone) 1 Out (terminal block for speaker)
	Digital I/O	4-pin terminal block
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * <b>UHS-II</b> card type is not supported.
LED Indicator		N/A
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		12.6 W
Dimensions		∅ 150.3 x 105.5 mm (5.92" x 4.15")
Weight		800 g (1.76 lb)
Ingress Protection		IP67

General	
Vandal Resistance	IK10 for metal casing
Regulatory	CE, FCC, RCM, LVD, 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, Visual Automation, Tampering Alarm, 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	
Software Supported	GV-DVR / NVR (V8.7.0.0), GV-VMS (V15.10.1.0), GV-Edge Recording Manager (V1.2.0.0), GV-Center V2 (V15.10.0.0), GV-Recording Server (V1.3.0.0), GV-Redundant / Failover Server (V1.1.0.0)
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. 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. 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.
4. Specifications are subject to change without notice.

**Packing List**

- |                                     |                                 |
|-------------------------------------|---------------------------------|
| 1. H.265 Vandal Proof IP Dome       | 9. Cable Stopper                |
| 2. Torx Wrench                      | 10. Anti-Drop Wire              |
| 3. Silica Gel Bag x 2               | 11. Screw for Anti-Drop Wire    |
| 4. Sticker (for Silica Gel Bag) x 2 | 12. Pan Angle Notification Card |
| 5. Screw Anchor x 4                 | 13. Installation Sticker        |
| 6. Long Screw x 3                   | 14. RJ45 Connector x 2          |
| 7. Back Plate                       | 15. Download Guide              |
| 8. Short Screw for Back Plate x 3   | 16. Warranty Card               |

## 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") 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 $\varnothing$ 176.85 mm (5" x 8.3" x $\varnothing$ 6.96") Weight: 0.93 kg (2.06 lb)
GV-Mount300-1	Convex Corner Adapter Kit		Dimensions: 238.6 x 395.2 x 210 mm (9.4" x 15.5" x 8.2") Weight: 4.27 kg (9.41 lb)
GV-Mount310-1	Concave Corner Adapter Kit		Dimensions: 111.2 x 369.9 x 210 mm (4.37" x 14.5" x 8.2") Weight: 2.96 kg (6.53 lb)
GV-Mount400-1	Pole Mount Bracket Kit ( $\varnothing$ 4" ~ 6")		Dimensions: Bracket: 68.4 x 240 x 163 mm (2.69" x 9.44" x 6.41") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: $\varnothing$ 4" ~ 6"

Model No.	Name		Details
GV-Mount410-1	Pole Mount Bracket Kit ( $\varnothing$ 6" ~ 7.5")		Dimensions: Bracket: 68.4 x 240 x 163 mm (2.69" x 9.44" x 6.41") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: $\varnothing$ 6" ~ 7.5"
GV-Mount702	Extension Tube		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)
GV-Mount903-1	Dome Housing		Dimensions: $\varnothing$ 185.5 x 165.3 mm ( $\varnothing$ 7.3" x 6.5") Weight: 900 g (1.98 lb)
GV-PA191	PoE Adapter		GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.
GV-Relay V2	GV-Relay V2		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.
GV-POE Switch			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 our sales representatives for the countries and areas supported.