GV-VD5700 5MP H.265 Low Lux WDR IR Vandal Proof IP Dome

- 1/1.8" progressive Low Lux CMOS
- Triple streams from H.265, H.264 or MJPEG
- Up to 30 fps at 2592 x 1944
- P-Iris for auto iris adjustment
- Vandal resistance (IK10 for metal casting)
- Ingress protection (IP67)
- Varifocal megapixel lens
- 3-axis mechanism (pan / tilt / rotate)
- Intelligent IR
- Day/Night function (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 (WDR)
- 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-VD5700 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 picture quality at reduced network bandwidths. For night operations, the camera allows up to 30 m (100 ft) IR effective distance. GV-VD5700 also uses P-iris to produce images with better clarify and contrast. It is adjustable in 3 axes (pan, tilt and rotate).
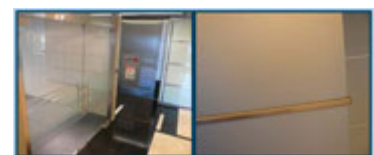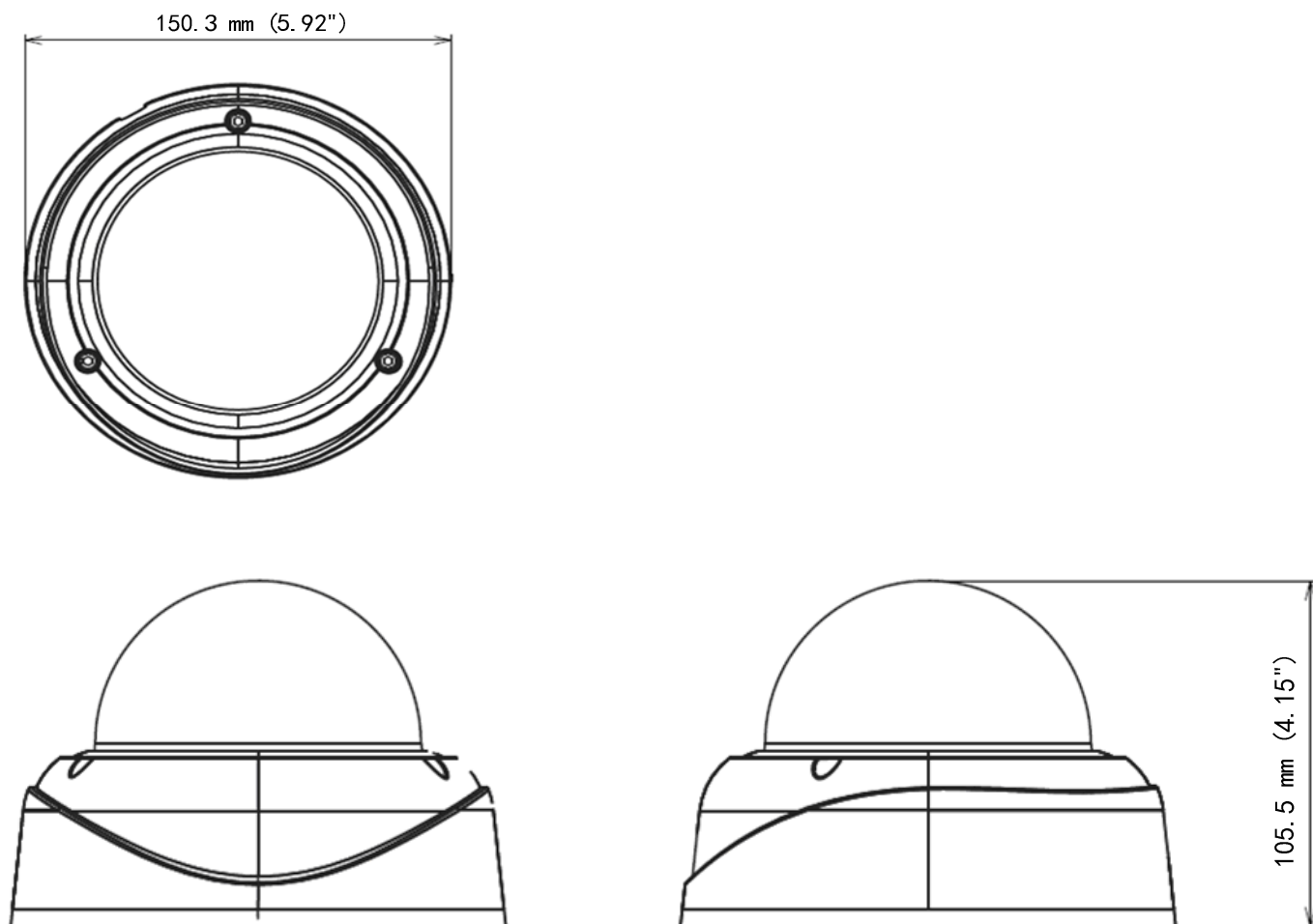
Active Tampering Alarm

Tampered	Focus Change	Camera Shift

Dimensions

Specifications

Camera		
Image Sensor		1/1.8" progressive scan CMOS
Picture Elements		2592 (H) x 1944 (V)
Minimum Illumination	Color	0.04 Lux
	B/W	0.03 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		50 dB
WDR		Yes
Dynamic Range		72 dB
BLC		Yes
Lens		
Megapixel		Yes
Day / Night		Yes (with removable IR-cut filter)
Lens Type		Varifocal
Focal Length		4 ~ 8 mm
Maximum Aperture		F/1.65
Mount		Ø 14 mm
Image Format		1/1.8
Horizontal FOV		88° ~ 51°

Lens		
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 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, 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	2592 x 1944 (Default), 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480
	16:9	2592 x 1520, 2304 x 1296, 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		- No default ID and Password - 802.1x authentication - HTTPS with a SSL certificate stored in the camera - 256-bit AES encryption (requires firmware V1.14 or later working with GV-VMS V18.1 or later)
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) ***UHS-II** card type is not supported.
LED Indicator		N/A

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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		Ø 150.3 x 105.5 mm (5.92'' x 4.15'')
Weight		800 g (1.76 lb)
Ingress Protection		IP67
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		Brower (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
2. Torx Wrench
3. Silica Gel Bag x 2
4. Sticker (for Silica Gel Bag) x 2
5. Screw Anchor x 4
6. Long Screw x 4
7. Back Plate
8. Short Screw for Back Plate x 3
9. Cable Stopper
10. Anti-Drop Wire
11. Screw for Anti-Drop Wire
12. Pan Angle Notification Card
13. Installation Sticker
14. RJ45 Connector x 2
15. Download Guide
16. Warranty Card

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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 Ø 176.85 mm (5'' x 8.3'' x Ø 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 (Ø 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: Ø 4" ~ 6"

Model No.	Name		Details
GV-Mount410-1	Pole Mount Bracket Kit (Ø 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: Ø 6" ~ 7.5"
GV-Mount702	Extension Tube		Four options are available. Dimensions: Ø 5.4 x 10 or 20 or 30 or 50 cm (Ø 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: Ø 185.51 x 165.35 mm (Ø 7.3" x 6.51") 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.	