GV-VD8700 8MP H.265 Low Lux WDR IR Vandal Proof IP Dome



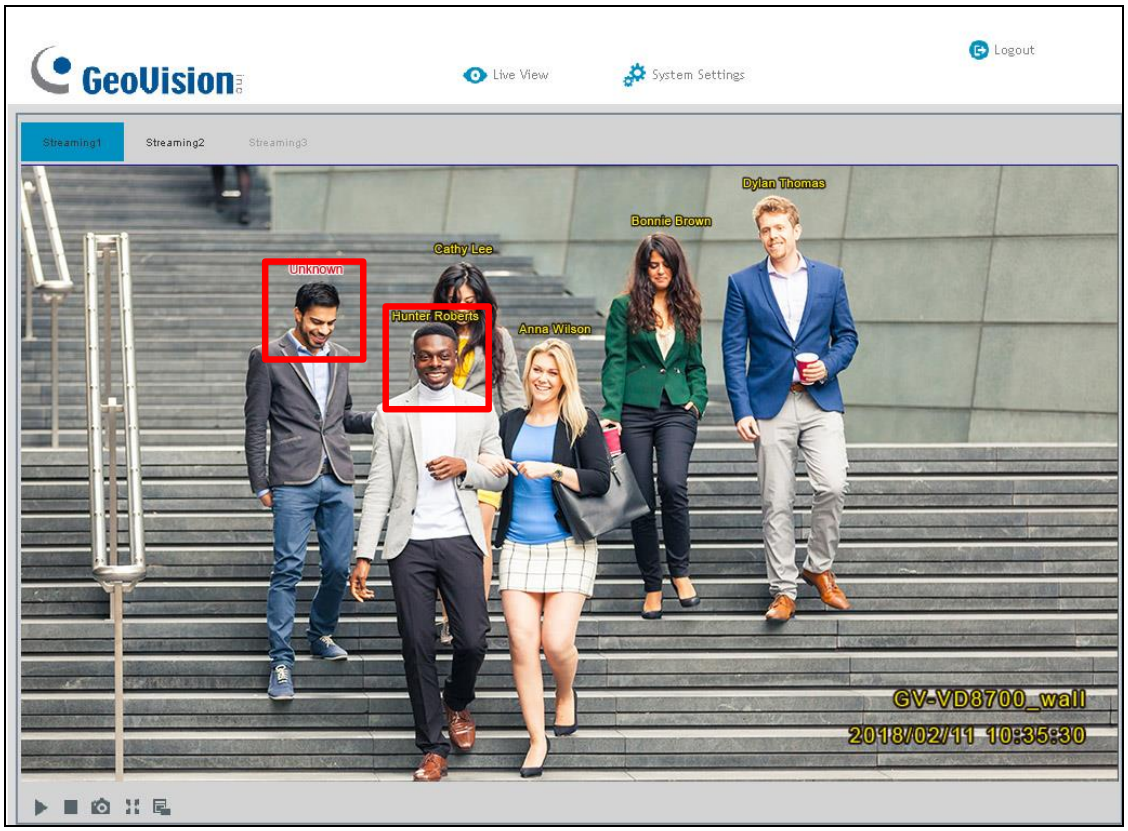
- 1/2.5” progressive scan low lux CMOS
- Min. illumination at 0.04 lux
- Triple streams from H.265 and H.264
- Up to 30 fps at 3840 x 2160
- Vandal resistance (IK10)
- Ingress protection (IP66)
- Megapixel varifocal lens
- P-iris lens for auto iris control
- Day and Night function (with removable IR-cut filter)
- Intelligent IR
- Wide Dynamic Range (WDR)
- IR distance of up to 40 m (130 ft)
- 3-axis mechanism (pan / tilt / rotate)
- One sensor input and digital output
- Built-in micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) for local storage
- DC 12V / PoE (IEEE 802.3af)
- One-way audio
- Defog
- Motion detection
- Tampering alarm
- Face recognition
- Text overlay
- Privacy mask
- IP address filtering
- Recording assigned by GV-Edge Recording Manager (Windows & Mac)
- Supports iPhone, iPad, and Android
- 4 languages on Web interface

Introduction

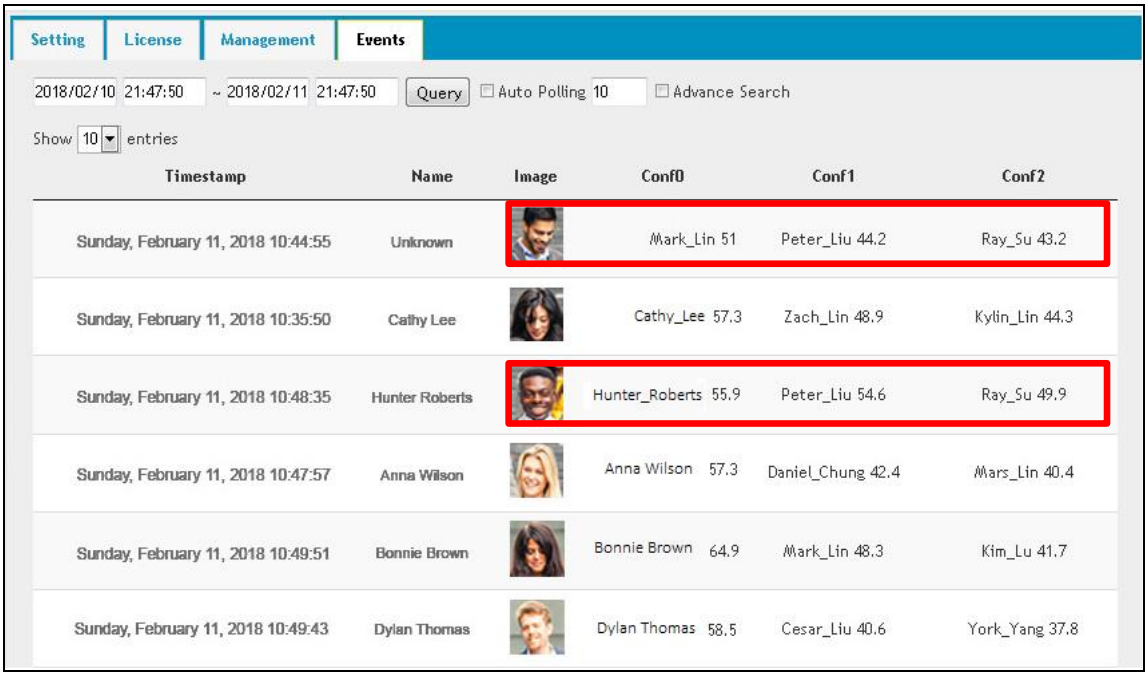
GV-VD8700 Vandal Proof IP Dome camera features cutting-edge face recognition technology that allows users to identify important personnel from its database, on the fly. Up to 10,000 face profiles can be defined in the camera’s database, and also categorized to meet various corporate needs, such as facilitating customer service or security management and more. The camera’s face recognition mechanism is effective for a distance of up to 4 m (14 ft) while able to identify up to 10 persons simultaneously. With a recognition time of within 2 seconds, it can quickly identify VIP guests and/or potential intruders. When integrated with GV-VMS, GV-VD8700’s face recognition can be used to trigger alerts according to the predefined rules, thereby providing an improved, reliable security management.

As an outdoor camera, GV-VD8700 is designed with IK10 vandal resistance and IP66 ingress protection. 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 is equipped with an IR effective distance of up to 40 m (130 ft). Its WDR and Backlight Compensation allow the camera to detect faces in environments with drastic light contrast.

Real-time Face Recognition on Live View



Retrievable Face Events



Active Tampering Alarm

Tampered



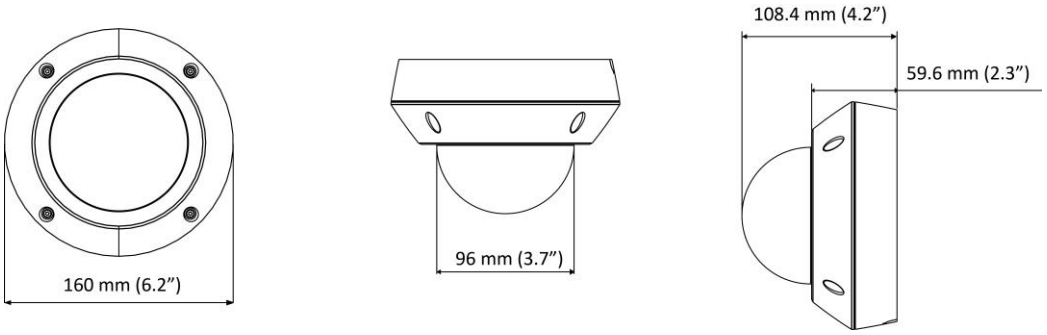
Focus Change



Camera Shift



Dimensions



Specifications

Camera		
Image Sensor		1/2.5" progressive scan low lux CMOS
Picture Elements		3840 (H) x 2160 (V)
Minimum Illumination	Color	0.05 Lux
	B/W	0.04 Lux
	IR ON	0 Lux
Shutter Speed		Automatic, Manual (1/30 ~ 1/8000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		56 dB
WDR		Yes
Dynamic Range		96 dB
Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Focal Length		3.3 ~ 12 mm
Lens Type		Varifocal
Maximum Aperture		F/1.4
Mount		Ø14 mm
Horizontal FOV		106° ~ 42°
Image Format		1/2.5"
Operation	Focus	Manual (with lock)
	Zoom	Manual (with lock)
	Iris	P-iris
IR LED Quantity		20 IR LEDs
Max. IR Distance		40 m (130 ft)
Face Recognition		
Environment		600 lux
Recognition face angle	Tilt (Up/Down)	± 15°
	Swing (Left/Right)	± 15°
Max. No of Faces		Up to 10
Min. face image pixel requirement		120 x 120

Operation		
Video Compression		H.265, H.264
Video Streaming		Stream 1 from H.265 or H.264 Stream 2 from H.264 Stream 3 from H.264
Frame Rate		30 fps at 3840 x 2160 (50 / 60 Hz) * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
Maximum Streams		8
Image Setting		Brightness, Contrast, Saturation, Sharpness, White Balance, Flicker-less, Image Orientation (Flip, Mirror, 0°, 180°), Shutter Speed, D/N Sensitivity, Backlight Compensation, WDR, Defog
Video Analytics		Motion Detection, Tampering Alarm, Face Detection, Face Recognition
Audio Compression		G.711
Audio Support		One-way audio
Sensor Input		1 input (Dry contact)
Alarm Output		1 digital output (200 mA 5V DC)
Intelligent Video		
Video Analytics		Motion Detection, Tampering Alarm, Face Detection, Face Recognition
Video Resolution		
Main Stream	4:3	2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960
	16:9	3840 x 2160 (Default), 2560 x 1440, 1920 x 1080, 1280 x 720
Sub Stream	4:3	1024 x 768, 640 x 480, 320 x 240
	16:9	1280 x 720, 640 x 360 (Default)
Third Stream	4:3	640 x 480, 320 x 240
	16:9	640 x 360 (Default)
Network		
Interface		10/100 Ethernet
Ethernet Protocol		DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, RTSP, SMTP, TCP, UDP
Mechanical		
Temperature Detector		Yes
Camera Angle Adjustment	Pan	0° ~ 350°
	Tilt	0° ~ 75°
	Rotate	0° ~ 340°
Connectors	Power	2-pin terminal block (DC 12V, 3A), PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45
	Audio	1 In (built-in or 3.5 mm phone jack for external microphone with power supply) 1 Out (3.5 mm phone jack for speaker) (Currently not functional)
	Digital I/O	I/O wires
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
LED Indicator		2 LEDs: Power, Status
General		
Environment Temperature	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)
Humidity		10% ~ 90% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		11.04 W
Dimension		Ø 160 x 108.4 mm (6.2 x 4.27")
Weight		1.2 kg (2.64 lb)
Ingress Protection		IP66
Vandal Resistance		IK10
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 and Mid-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, Privacy Mask, Text Overlay
Language	English / Japanese / Simplified Chinese / Traditional Chinese
Applications	
Software Supported	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 (V1.3.0.0) *GV-VMS V17.1 supports Face Detection, Face Recognition and Live View. Other GV-Software only supports Live View.
Smart Device Access	GV-Eye for iOS and Android
Live Viewing	Web browser, Mobile app

Note: Specifications are subject to change without prior notice.

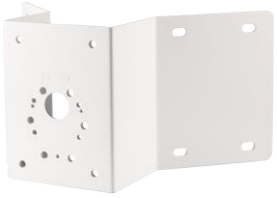
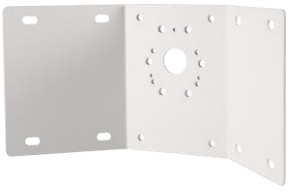
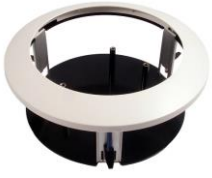
Packing List

1. H.265 Vandal Proof Dome
2. Screw x 4
3. Screw Anchor x 4
4. Audio Wires x 2
5. I/O Cable
6. Installation Sticker
7. Conduit Converter
8. PG21 Conduit Connector
9. RJ-45 Connector
10. Waterproof Rubber Sets
    (for RJ-45 Cat.5 and DC 12V / for RJ-45 Cat.6)
11. Torx Wrench
12. Big Concave Hexagon Wrench
13. Small Concave Hexagon Wrench
14. Silica Gel Bag
15. Sticker (for Silica Gel Bag)
16. Ruler
17. 8 GB Micro SD Card (MLC, SDHC, Class 10)
    (The Micro SD Card is preinstalled and formatted in the camera)
18. Download Guide
19. Warranty Card

Note: Power adapters can be purchased upon request.

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 Mount		Dimensions: 225 x 140 x 250 mm (8.9 x 5.5 x 9.8”) Weight: 900 g (1.98 lb)

GV-Mount203	Wall Mount and Junction Box		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 Box Mount		Dimensions: 126.5 x 211.3 x 176.85 mm (5 x 8.3 x 6.96’’) Weight: 0.93 kg (2.06 lb)
GV-Mount300-1	Convex Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4 x 16.1”) Weight: 4.27 kg (9.41 lb)
GV-Mount310-1	Concave Corner Adapter Kit		Dimensions: 123.3 x 393.1 mm (4.9 x 15.5") Weight: 2.96 kg (6.53 lb)
GV-Mount400-1	Pole Mount Bracket Kit (Ø 4 ~ 6")		Bracket: 241 x 161 mm (9.5 x 6.3”) Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 101 ~ 152 mm (4 ~ 6")
GV-Mount410-1	Pole Mount Bracket Kit (Ø 6 ~ 7.5")		Bracket: 241 x 161 mm (9.5 x 6.3”) Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 152 ~ 191 mm (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-Mount916	In-Ceiling Mount		Dimensions: Ø 205 x 63.8 mm (Ø 8 x 2.5") Weight: 645 g (1.42 lb)

GV-PA191	PoE Adapter		The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.
GV-PA301	Gigabit PoE Adapter		GV-PA301 is a Gigabit Power over Ethernet (PoE) adapter.
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.	
GV-FWC		GV-FWC can integrate GV-Face Recognition Cameras and GV-AI FR into access control systems by sending access card data, paired to Face IDs, to controllers either through TCP/IP or Wiegand connection.	
GV-Relay V2			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.
Metal PG21	Conduit Connector		The metal PG21 conduit connector allows you to run the wires through a 3/4” conduit pipe.
Power Adapter		Contact our sales representatives for the countries and areas supported.	