

GV-MD8710-FD 8MP H.265 2x Zoom Super Low Lux WDR Pro Face Detection

Motorized IR IP Dome



- 1/2" progressive scan super low lux CMOS
- Min. illumination at 0.03 lux
- Triple streams from H.265, H.264 and MJPEG
- Up to 30 fps at 3840 x 2160
- 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)
- Wide Dynamic Range Pro (WDR Pro)
- 3-axis mechanism (pan / tilt / rotate)
- DC 12V / PoE (IEEE 802.3af)
- Two-way audio
- Built-in Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)
- Face Detection
- 3D noise reduction
- Smart streaming
- Defog
- Privacy mask
- 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
- TAICS IoT Cyber Security certified

- * No Memory card slot & local storage function for Argentina.
- * Smart streaming requires GV-DVR / NVR V8.7.0, GV-VMS V16.10.3 or later software versions.
- * Face detection requires GV-VMS 18.1 or later.

Introduction

GV-MD8710-FD is specifically designed for face detection. The camera is equipped with a WDR Pro, an automatic IR-cut filter and IR LEDs for day and night surveillance. With its motorized varifocal lens, the user can zoom and focus the camera from the Web interface. The camera supports 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. Adjustable in 3 axes (pan, tilt and rotate), it offers smart surveillance solutions with all the essential features and excellent image quality.

Active Tampering Alarm

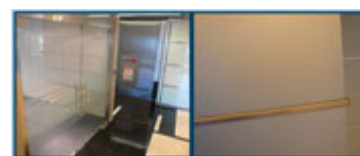
Tampered



Focus Change

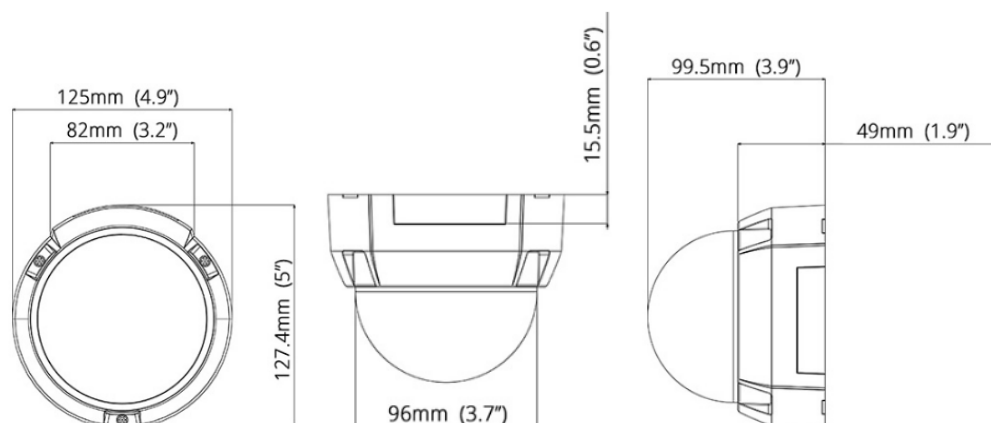


Camera Shift

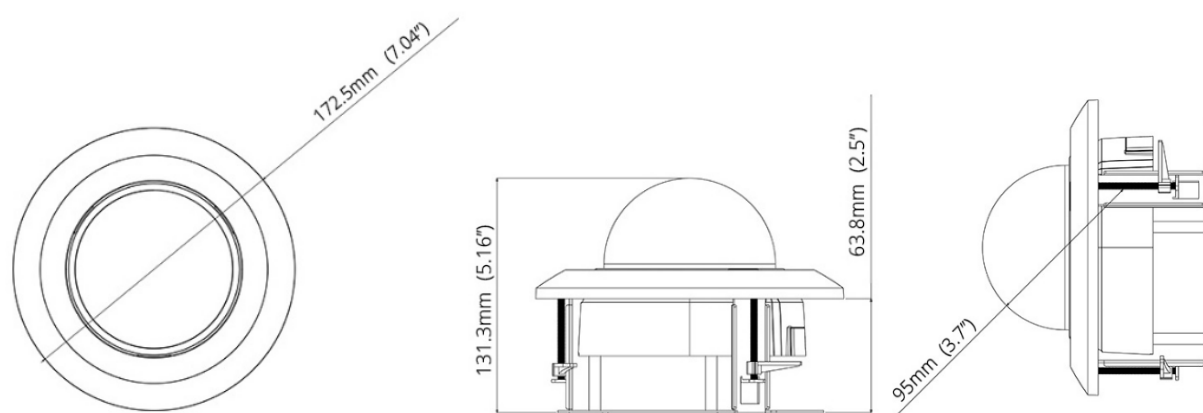


Dimensions

Hard-Ceiling Mount



In-Ceiling Mount



Specifications

Camera

Image Sensor	1/2" progressive scan super low lux CMOS	
Picture Elements	3840 (H) x 2160 (V)	
Minimum Illumination	Color	0.04 Lux
	B/W	0.03 Lux
	IR ON	0 Lux
Shutter Speed	Automatic, Manual (1/30 ~ 1/16000 sec.)	
White Balance	Automatic, Manual (2800K ~ 8500K)	
Gain Control	Automatic	
S/N Ratio	52 dB	
WDR Pro	Yes	
Dynamic Range	Up to 120 dB	

Lens

Megapixel	Yes	
Day/Night	Yes (with removable IR-cut filter)	
Focal Length	4 ~ 8 mm	
Lens Type	Motorized varifocal lens	
Maximum Aperture	F/1.44	
Mount	Ø14 mm	
Horizontal FOV	112° ~ 61°	
Image Format	1/2.5"	
Operation	Focus	Auto
	Zoom	2X optical zoom
	Iris	P-iris

IR LED Quantity		4 IR LEDs
Max. IR Distance		30 m (100 ft)
Operation		
Video Compression		H.265, H.264, MJPEG
Video Streaming		Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG Stream 3 from H.265, H.264 or MJPEG
Frame Rate		50Hz: 30 fps at 3840 x 2160, 25 fps at 2592 x 1944, 25 fps at 2592 x 1520 60Hz: 30 fps at 3840 x 2160 (default), 30 fps at 2592 x 1944, 30 fps at 2592 x 1520 * 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 (Flip, Mirror, 0°, 90°, 180°, 270°-including Corridor format), 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)
Face Detection		
Environment		600 lux
Detectable face angle	Tilt (Up/Down)	± 30°
	Swing (Left/Right)	± 60°
Max. number of faces		Up to 32
Min. face image pixel requirement		100 x 100
Video Resolution		
Main Stream	4:3	2592 x 1944, 2048 x 1536, 1600 x 1200, 1280 x 960
	16:9	3840 x 2160 (Default), 2592 x 1520, 1920 x 1080, 1280 x 720
	5:4	1280 x 1024
Sub Stream	4:3	1024 x 768, 640 x 480, 320 x 240
	16:9	1280 x 720, 640 x 360 (Default), 448 x 256
	5:4	1280 x 1024, 640 x 512, 320 x 256
Third Stream	4:3	640 x 480, 320 x 240
	16:9	640 x 360 (Default), 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), RTCP, RTSP, SNMP, SMTP, SSL, TCP/IP, UDP, UPnP, 3GPP/ISMA
Mechanical		
Temperature Detector		Yes
Camera Angle Adjustment	Pan	0° ~ 350°
	Tilt	0° ~ 75°
	Rotate	0° ~ 340°
Connectors	Power	2-pin terminal block (DC 12V, 1.25A), PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (microphone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")
	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	0°C ~ 50°C (32°F ~ 122°F)
	Operation	
Humidity		10% to 90% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		9.5 W
Dimension		ø 125 x 99.5 mm (4.92" x 3.92")
Weight		500 g (1.10 lb)
Regulatory		CE, FCC, LVD, RoHS, TAICS (IoT Cyber Security) 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, Picture and Picture, Privacy Mask, 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		
Software Supported		GV-DVR / NVR (V8.7.6 + Patch V8.7.6.2), GV-VMS (V17.1.0.100 + Patch V17.1.0.17), GV-Edge Recording Manager Win Version (V1.4.0.0), GV-Control Center (V3.5.1), GV-Recording Server (V1.4.2), GV-Redundant / Failover Server (V1.1.0.0 + Patch V1.1.0.006)
Smart Device Access		GV-Eye for iOS and Android
Live Viewing		Browser (IE, Chrome, Firefox, Safari), Mobile app

Note:

1. It is required to apply patch files to some of the supported software.
2. Specifications are subject to change without prior notice.

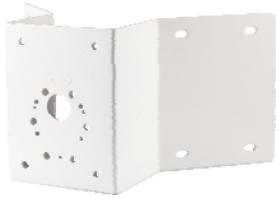
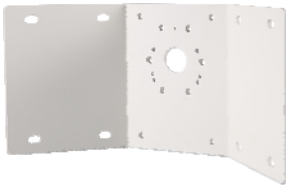
Packing List

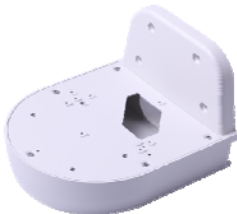
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|--------------------------|-------------------------|
| 1. H.265 IR IP Dome | 6. I/O Wire |
| 2. Screw x 3 | 7. Installation Sticker |
| 3. Screw Anchor x 3 | 8. Download Guide |
| 4. Torx Wrench | 9. Warranty Card |
| 5. Shielding Ground Wire | |

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)

Model No.	Name		Details
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-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"
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"

Model No.	Name		Details
GV-Mount909	Wall Mount Bracket		Dimensions: 170 x 150 x 110 mm (6.7" x 5.9" x 4.3") Weight: 610 g (1.34 lb)
GV-Mount910	Power Box Mount Bracket		Dimensions: 112 x 98 x 7.5 mm (4.4" x 3.9" x 0.3") Weight: 105 g (0.23 lb)
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-Mount913	Power Box Mount Bracket		Dimensions: Ø 146 x 7.5 mm (Ø 5.7" x 0.3") Weight: 180 g (0.4 lb)
GV-Mount915	In-Ceiling Mounting Kit for GV-EFD2101 / 3101 / 5101		Dimensions: Ø 172.5 x 63.8 mm (Ø 7.04" x 2.5") Weight: 424 g (0.93 lb)
GV-Mount917	GV-EFD2101 / 3101 / 5101 Dome Housing		Dimensions: Ø 186 x 97.5 mm (Ø 7.3" x 3.8") Weight: 948 g (2.09 lb)
GV-PA191	PoE Adapter		Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57") Weight: 130 g (0.29 lb)
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.	
Power Adapter		Contact our sales representatives for the countries and areas supported.	