

GV-MFD2700 Series Starlight 2MP H.265 Super Low Lux WDR Pro IR Mini Fixed Dome



- 1/2.8" progressive scan super low lux CMOS
- Min. illumination at 0.004 lux
- Triple streams from H.265, H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Two-way audio capable
- Intelligent IR
- 3-axis mechanism (pan / tilt / rotate)
- One sensor input and alarm output
- Built-in micro SD card slot (SD/SDHC/SDXC/UHS-I) for local storage
- Day and night function (with removable IR-cut filter)
- Megapixel lens
- 12V DC / PoE (IEEE 802.3af)
- Wide Dynamic Range Pro (WDR Pro)
- 3D noise reduction
- Smart streaming
- Defog
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S, T) conformant

* Smart streaming requires GV-DVR / NVR V8.7.0.0, GV-VMS V16.10.3.0 or later software versions.

Introduction

GV-MFD2700 Series offers an indoor, fixed, mini-sized network camera with 3-axis mechanism for easy and flexible installation. The camera can support H.265 video codec to achieve better compression ratio while maintaining high picture quality at reduced network bandwidths. GV-MFD2700 can process scenes with contrasting intensity of lights and produce clear image using the built-in WDR Pro. The camera is equipped with a super low lux CMOS image sensor which allows the camera to provide a color live view in near darkness.

Models

Models	Iris	Focal Length (mm)	Maximum Aperture	Image Format
GV-MFD2700-0F	Fixed	2.8 mm	F/2.0	1/2.7"
GV-MFD2700-6F		2.3 mm	F/2.2	

Active Tampering Alarm

Tampered



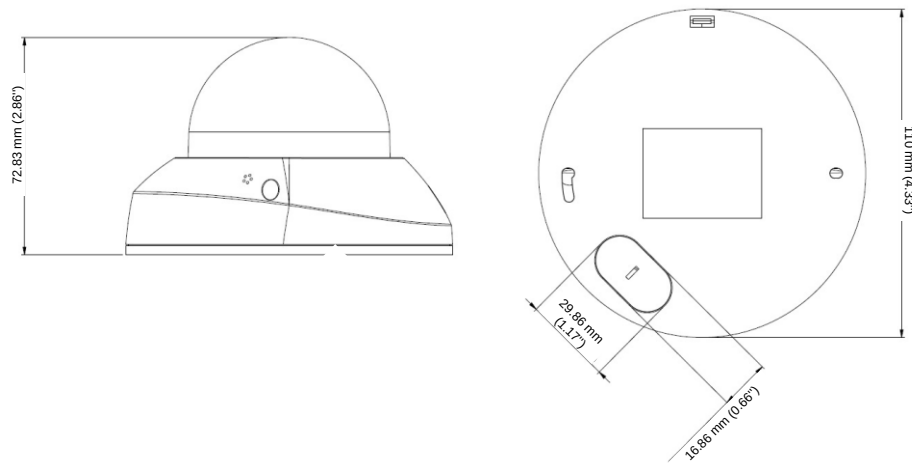
Focus Change



Camera Shift



Dimensions



Specifications

Camera		GV-MFD2700-0F	GV-MFD2700-6F
Image Sensor		1/2.8" progressive scan super low lux CMOS	
Picture Elements		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.005 Lux	
	B/W	0.004 Lux	
	IR ON	0 Lux	
Shutter Speed		Automatic, Manual (1/5 ~ 1/16000 sec)	
White Balance		Automatic, Manual (2800 ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		56 dB	
WDR Pro		Yes	
Dynamic Range		Up to 130 dB	
Lens			
Megapixel		Yes	
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Fixed	
Focal Length		2.8 mm	2.3 mm
Maximum Aperture		F/2.0	F/2.2
Mount		M12, Pitch 0.5 mm	
Image Format		1/2.7"	
Horizontal FOV		100°	140°
Operation	Focus	Fixed	
	Zoom	Fixed	
	Iris	Fixed	
IR LED Quantity		4 IR LEDs	
Max. IR Distance		20 m (65 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		50 Hz: 25 fps at 1920 x 1080 60 Hz: 30 fps at 1920 x 1080 * The frame rate and 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 speaker required)	
Sensor Input		1 input (dry contact)	

Alarm Output		1 digital output (200 mA 5V DC)
Video Resolution		
Main Stream	4:3	1280 x 960, 640 x 480
	16:9	1920 x 1080 (Default), 1280 x 720, 640 x 360
	5:4	1280 x 1024, 640 x 512
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 (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
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
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	-45° ~ 45°
	Tilt	0° ~ 70°
	Rotate	0° ~ 360°
Connectors	Power	2-pin terminal block (DC 12V, 1.25A), PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (built-in or external microphone) 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		12V DC, 6.5W
Dimensions (without lens)		110 x 72.83 mm (4.33" x 2.86")
Weight		200 g (0.44 lb)
Regulatory		CE, FCC, RCM, LVD, RoHS compliant
Power over Ethernet		
PoE Standard		PoE (IEEE 802.3af Power over Ethernet / PSE)
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 (V8.7.1.0), GV-VMS (V15.11.3.0), 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. The signal range and data throughput may vary depending on the network conditions and environmental factors.
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 Mini Fixed IP Dome | 5. Installation Sticker |
| 2. Screw x 2 | 6. Audio and I/O extended cable |
| 3. Screw Anchor x 2 | 7. Torx Wrench |
| 4. Focus Adjustment Ring | 8. Download Guide |
| (only for GV-MFD2700-0F/2F) | 9. Warranty Card |

Accessories

Model No.	Name		Details
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-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-Mount918	Wall Mount Bracket for MFD/MDR/EFD/EDR		Dimensions: Ø 145 x 117 x 96 mm (Ø 5.71" x 4.60" x 3.78") Weight: 350 g (0.77 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 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.

Model No.	Name	Details
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.