

GV-MDR1500 Series 1.3MP H.264 Super Low Lux WDR Mini Fixed Rugged Dome



- 1/3" progressive scan super low lux CMOS
- Min. illumination at 0.01 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1280 x 1024
- Day and night function (electronic)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- EN50155 compliance for rolling stock applications
- Wide temperature tolerance (-30 °C ~ 50 °C / -22 °F ~ 122 °F)
- 3-axis mechanism:
pan (-45° ~ +45°), tilt (0° ~ 90°), rotate (0° ~ 360°)
- Built-in microphone
- Built-in micro SD card slot (SD/SDHC) for local storage
- Wide Dynamic Range (WDR)
- 3D DNR (Digital Noise Reduction)
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- Text overlay
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

* No Memory Card Slot & local storage function for Argentina.

Introduction

The GV-MDR1500 Series is an outdoor, fixed, mini-sized network camera with different lens options. With its super low lux CMOS image sensor, the camera can produce color image at near darkness. The camera conforms to IK10 and IP67 standards. It is adjustable in 3 axis (pan, tilt and rotate) and can be connected through PoE.

Models

Model	Iris	Focal Length (mm)	Maximum Aperture	Image Format
GV-MDR1500-0F	Fixed	2.1	F/1.8	1/3"
GV-MDR1500-1F	Fixed	2.8	F/2.0	1/3"
GV-MDR1500-2F	Fixed	3.8	F/1.8	1/3"
GV-MDR1500-3F	Fixed	8	F/1.6	1/3"
GV-MDR1500-4F	Fixed	12	F/1.6	1/3"

Active Tampering Alarm

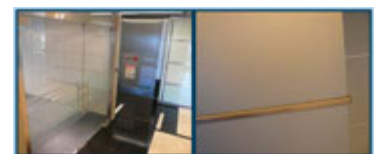
Tampered



Focus Change

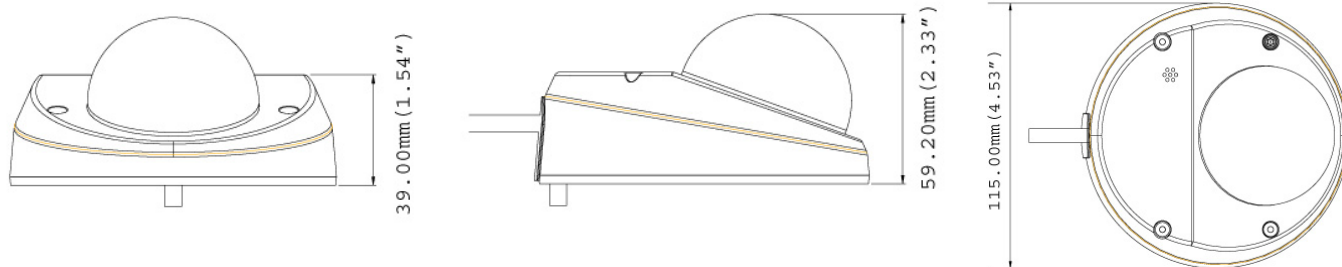


Camera Shift



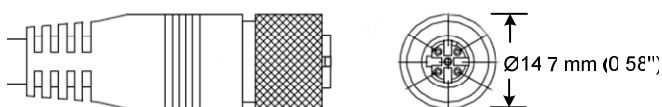
Overview

• **Dimensions**

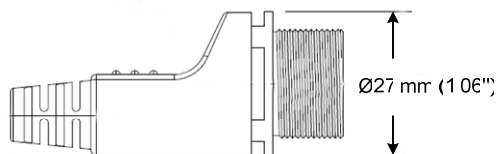


• **LAN Connector**

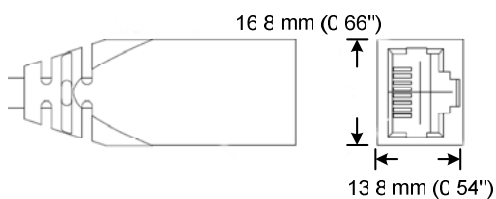
1. M12 Connector



2. Waterproof Connector



3. Non-Waterproof (smaller) Connector



Specifications

Camera		GV-MDR1500-0F	GV-MDR1500-1F	GV-MDR1500-2F	GV-MDR1500-3F	GV-MDR1500-4F
Image Sensor		1/3" progressive scan super low lux CMOS				
Picture Elements		1280 (H) x 1024 (V)				
Minimum Illumination	Color	0.01 Lux				
	BW					
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)				
White Balance		Automatic, Manual (2800K ~ 8500K)				
Gain Control		Automatic				
S/N Ratio		55 dB				
WDR		Yes				
Lens						
Megapixel		Yes				
Day/Night		Yes (electronic)				
Iris		Fixed				
Focal Length		2.1 mm	2.8 mm	3.8 mm	8 mm	12 mm
Maximum Aperture		F/1.8	F/2.0	F/1.8	F/1.6	F/1.6
Mount		M12, Pitch 0.5 mm				
Image Format		1/3"				
Horizontal FOV		126°	88°	64°	34°	22°
Operation	Focus	Fixed				
	Zoom	Fixed				
	Iris	Fixed				
Operation						
Video Compression		H.264, MJPEG				
Video Streaming		Dual streams from H.264 and MJPEG				
Frame Rate		30 fps at 1280 x 1024 * 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 50/60 Hz, Image Orientation, Shutter Speed, Backlight Compensation, D/N sensitivity, WDR, Defog , Super Low Lux				
Audio Compression		G.711, AAC (optional)				
Audio Support		One-Way Audio				
Video Resolution						
Main Stream	4:3	1280 x 960, 640 x 480, 320 x 240				
	16:9	1280 x 720, 640 x 360, 448 x 252				
	5:4	1280 x 1024, 640 x 512, 320 x 256				
Sub Stream	4:3	640 x 480, 320 x 240				
	16:9	640 x 360, 448 x 252				
	5:4	640 x 512, 320 x 256				
Network						
Interface		10/100 Ethernet				
Ethernet Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)				
Mechanical						
Temperature Detector		Yes				
Camera Angle Adjustment	Pan	-45° ~ 45°				
	Tilt	0° ~ 90°				
	Rotate	0° ~ 360°				
Connectors	Power	PoE				
	Ethernet	Ethernet (10/100 Base-T), RJ-45				
	Audio	Built-in microphone				
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.				
LED Indicator		3 LEDs: Link, Power, Status				

General		
Environment Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F)	
Humidity	10% to 90% (no condensation)	
Power Source	PoE	
Max. Power Consumption	3.47 W	
Dimensions	Camera Body	ø 115 x 59.2 mm
	Cable Length	1.054 m (41.5")
	Cable Diameter	ø 6.2 mm
	Maximum Connector Diameter	ø 27 mm
Weight	568 g (1.3 lb)	
Ingress Protection	IP67	
Vandal Resistance	IK10 for metal casing	
Regulatory	CE, FCC, RCM, EN50155, RoHS compliant	
Power over Ethernet		
PoE Standard	IEEE 802.3af Power over Ethernet / PD	
PoE Power Supply Type	End-Span	
PoE Power Output	Per Port 48V DC, 350mA. 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		
Network Storage	GV-NVR, GV-System, GV-Backup Center, GV-Recording Server	
Smart Device Access	GV-Eye for Android smartphone, tablet, iPhone, and iPod Touch GV-Eye HD for iPad	
Live Viewing	IE, mobile phone	
CMS Server support	GV-Control Center, GV-Center V2, GV-VSM	

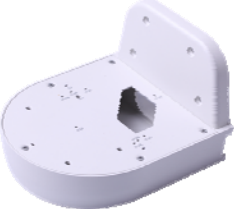
Note:

- Specifications are subject to change without notice.
- Mind the following when using an inserted 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.
 - 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.

Packing List

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| 1. Mini Fixed Rugged Dome with 3 options for its LAN connector (M12, Waterproof or Non-Waterproof) | 7. Installation sticker |
| 2. Torx Wrench | 8. Silica gel bag x 2 |
| 3. Self Tapping Screw x 2 | 9. Ferrite core for vehicle installation |
| 4. Screw Anchor x 2 | 10. GV-IPCAM H.264 Quick Start Guide |
| 5. Cable stopper | 11. GV-IPCAM H.264 Software CD |
| 6. Cable Connector | 12. GV-NVR Quick Start Guide |
| | 13. GV-NVR Software DVD |

Accessories

Model No./Name	Details
GV-Mount900 Wall Mount Bracket 	Dimensions: 154 x 108 x 50 mm (6.1" x 4.3" x 2") Weight: 240 g (0.53 lb)
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-Mount913 Power Box Mount Bracket 	Dimensions: \varnothing 146 x 7.5 mm (\varnothing 5.7" x 0.3") Weight: 180 g (0.4 lb)
GV-PA191 PoE Adapter 	Weight: 130 g (0.29 lb) Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57")
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.