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 ℃ ~ 50 ℃ / -22 ℉ ~ 122 ℉)
- 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

39.00mm (1.54")　　59.20mm (2.33")　　115.00mm (4.53")
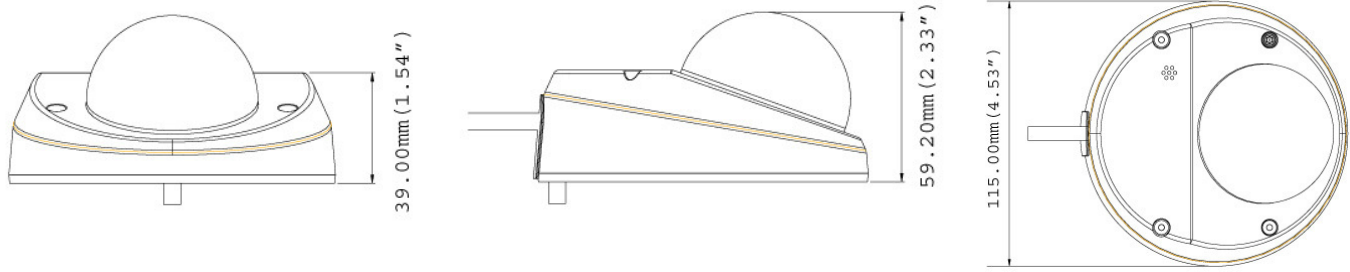
- LAN Connector

    1. M12 Connector

    Ø14.7 mm (0.58")
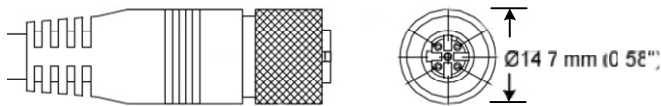
    2. Waterproof Connector

    Ø27 mm (1.06")
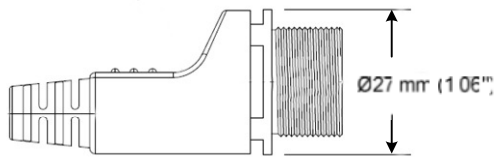
    3. Non-Waterproof (smaller) Connector

    16.8 mm (0.66")

    13.8 mm (0.54")
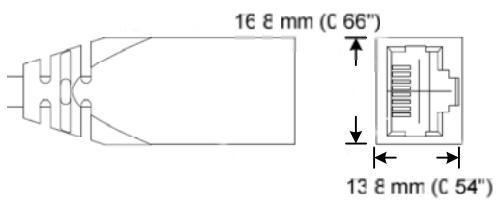
Specifications

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:

1. Specifications are subject to change without notice.
2. 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

1. Mini Fixed Rugged Dome with 3 options for its LAN connector (M12, Waterproof or Non-Waterproof)
2. Torx Wrench
3. Self Tapping Screw x 2
4. Screw Anchor x 2
5. Cable stopper
6. Cable Connector
7. Installation sticker
8. Silica gel bag x 2
9. Ferrite core for vehicle installation
10. GV-IPCAM H.264 Quick Start Guide
11. GV-IPCAM H.264 Software CD
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: Ø 146 x 7.5 mm (Ø 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.