GV-MDR3400 Series 3MP H.264 WDR Pro Mini Fixed Rugged Dome

- 1/3.2" progressive scan WDR Pro CMOS
- Dual streams from H.264 and MJPEG
- Up to 20 fps at 2048 x 1536
- 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
- PoE (IEEE 802.3af)
- Wide Dynamic Range Pro (WDR Pro)
- 2D 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-MDR3400 Series offers an outdoor, fixed, mini-sized network camera with different lens options. The camera can process scenes with contrasting intensity of lights and produce clear image using the built-in WDR Pro. 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

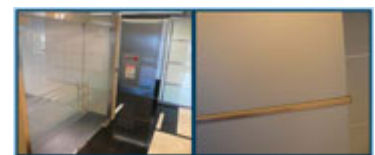| Model	Iris	Focal Length (mm)	Maximum Aperture	Image Format
GV-MDR3400-1F	Fixed	2.8	F/2.0	1/3''
GV-MDR3400-2F	Fixed	3.8	F/1.8	1/3''

Active Tampering Alarm

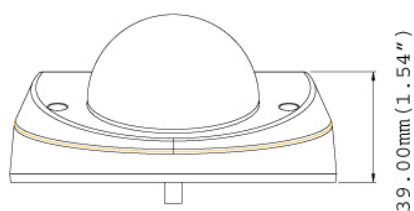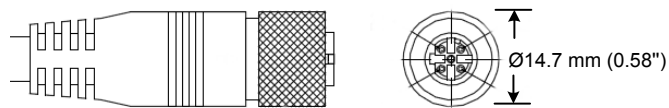| Tampered	Focus Change	Camera Shift

Dimensions

- **Dimensions**
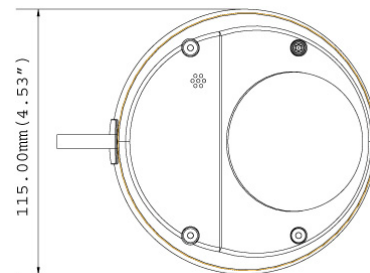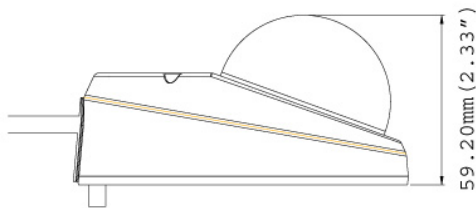
- **LAN Connector**

  1. Waterproof M12 4-Pin Female Connector (for motor vehicles)

Ø14.7 mm (0.58")

  2. Small Waterproof Connector

42.8 mm (1.69")

Ø19.6 (0.77")
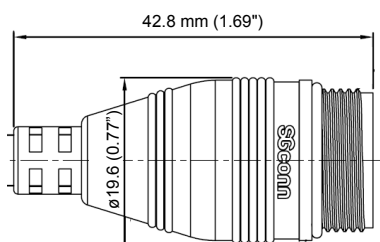
Specifications

Camera		GV-MDR3400-1F	GV-MDR3400-2F
Image Sensor		1/3.2" progressive scan WDR Pro CMOS	
Picture Elements		2048 (H) x 1536 (V)	
Minimum Illumination	Color	0.08 Lux	
	BW	0.05 Lux	
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)	
White Balance		Automatic, Manual (2800K ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		47 dB	
WDR Pro		Yes	
Lens			
Megapixel		Yes	
Day/Night		Yes (electronic)	
Iris		Fixed	
Focal Length		2.8 mm	3.8 mm
Maximum Aperture		F/2.0	F/1.8
Mount		M12, Pitch 0.5 mm	
Image Format		1/3"	
Horizontal FOV		85°	63°
Operation	Focus	Fixed	
	Zoom	Fixed	
	Iris	Fixed	
Operation			
Video Compression		H.264, MJPEG	
Video Streaming		Dual streams from H.264 and MJPEG	
Frame Rate		20 fps at 2048 x 1536 * 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, Denoise, Metering	
Audio Compression		G.711, AAC (optional)	
Audio Support		One-Way Audio	
Video Resolution			
Main Stream	4:3	2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480, 320 x 240	
	16:9	1920 x 1080, 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 (IEEE 802.3af)	
	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.	

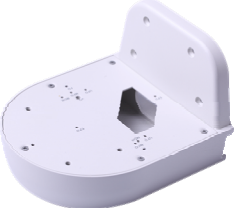| LED Indicator		3 LEDs: Link, Power, Status
General		
Environment Temperature		-30 °C ~ 50 °C (-22 °F ~ 122 °F)
Humidity		10% to 90% (no condensation)
Power Source		PoE (IEEE 802.3af)
Max. Power Consumption		4.28 W
Dimensions	Camera Body	ø 115 x 59.2 mm
	Cable Length	1.054 m (41.5")
	Cable Diameter	ø 6.2mm
	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, RoHS compliant
Power over Ethernet		
PoE Standard		PoE (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 iOS and Android
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 2 options for its LAN connector (connector for motor vehicles or for general use)
2. Self Tapping Screw x 2
3. Screw Anchor x 2
4. Cable stopper
5. Cable Connector
6. Installation sticker
7. Silica gel bag x 2
8. Ferrite core for vehicle installation
9. GV-IPCAM H.264 Quick Start Guide
10. Adhesive tape x 2
11. GV-IPCAM H.264 Software DVD
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.