

GV-MDR220 2MP H.264 Mini Fixed Rugged Dome



- 1/2.5" progressive scan CMOS
- Megapixel lens
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Day and night function (electronic)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- EN50155 compliance for rolling stock applications
- 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)
- Motion detection
- Tampering alarm
- Privacy mask
- Text overlay
- IP address filtering
- Endurable to low environment temperatures -30 °C ~ 50 °C
(-22 °F ~ 122 °F)
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

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

Active Tampering Alarm

Tampered



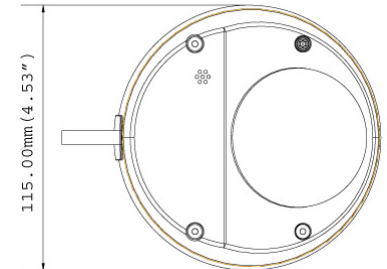
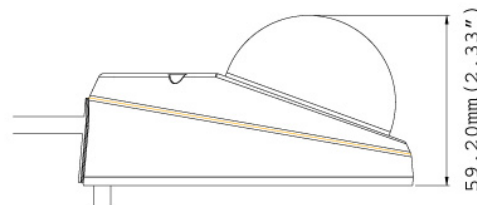
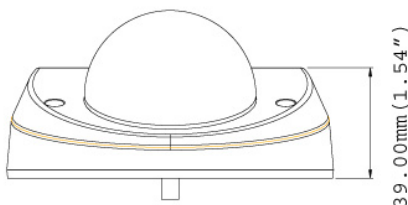
Focus Change



Camera Shift



Dimensions



Specifications

Camera		
Image Sensor		1/2.5" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color	0.15 Lux
	BW	0.10 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		50 dB
BLC		Yes
Lens		
Megapixel		Yes
Day/Night		Yes (electronic)
Iris		Fixed
Focal Length		2.54 mm
Maximum Aperture		F/2.8
Mount		M12, Pitch 0.5 mm
Image Format		1/2.5"
Horizontal FOV		101°
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 1920 x 1080 * 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
Audio Compression		G.711, AAC (optional)
Audio Support		One-Way Audio
Video Resolution		
Main Stream	4:3	1600 x 1200, 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	4.1 W	
Dimensions	Camera Body	ø 115 x 59.2 mm (4.5" x 2.3")
	Cable Length	1.054 m (41.5")
	Cable Diameter	ø 6.2 mm (0.24")
	Maximum Connector Diameter	ø 30 mm (1.18")
Weight	568 g (1.3 lb)	
Ingress Protection	IP67	
Vandal Resistance	IK10 for metal casing	
Regulatory	CE, FCC, C-Tick, EN50155, RoHS compliant	
Power over Ethernet		
PoE Standard	IEEE 802.3af Power over Ethernet / PSE	
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.

Packing List

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

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")
Power Adapter	Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.
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.