

GV-SV48000 48MP H.264 Low Lux WDR IR Surround Video IP Camera



- 4 x 1/1.7" progressive scan CMOS
- Dual streams from H.264 or MJPEG
- Up to 15 fps at 4000 x 3000
- Two-way audio
- Four sensor inputs and one alarm output
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- DC 24V / AC 24V / High PoE++ (72 W)
- 4 x Built-in micro SD card slot (SD/SDHC/SDXC/UHS-I) for local storage
- Removable IR-cut filter for Day / Night function
- Wide Dynamic Range (WDR)
- Low Lux Enhancement
- 3D noise reduction
- Smart Streaming
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- Recording assigned by GV-Edge Recording Manager (Windows, Mac version)

* No Memory card slot & local storage function for Argentina.

Introduction

GV-SV48000 features four 12MP CMOS image sensors to deliver a video resolution of 4000 x 3000 at up to 15fps. The camera offers wide panoramic views at four different angles utilizing surveillance images from the four 3.93 mm lenses to monitor open areas. Its night vision is further enhanced with its high power LEDs with up to 50 m (164.04 ft) effective IR distance. GV-SV48000 adheres to IP67 and IK10 standards. Captured surveillance images from all angles can be stored in either H.264 or MJPEG format on SD cards.

Live View Images

Expansive Mode

Channel 1

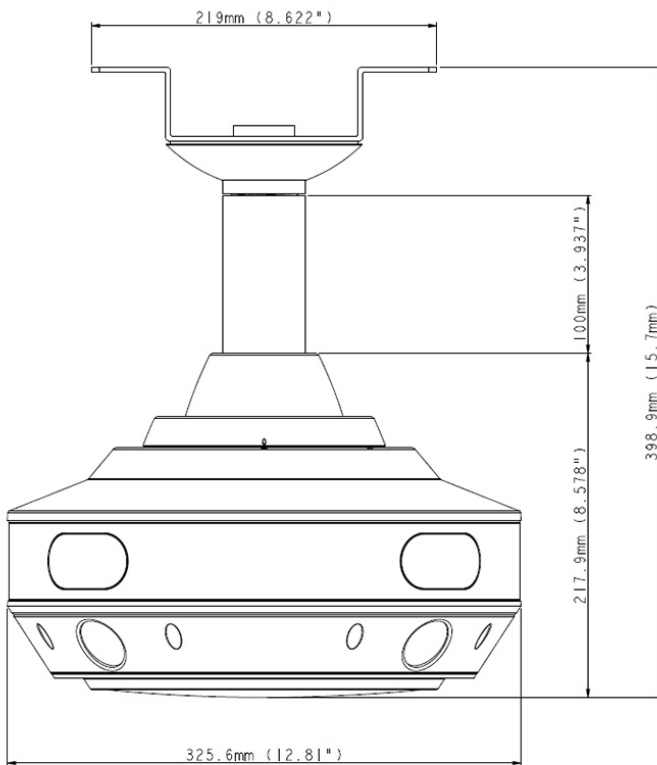
Channel 2

Channel 3

Channel 4



Dimensions



Specifications

Camera

Image Sensor	4 x 1/1.7" progressive scan CMOS	
Picture Elements	4 x 4000 (H) x 3000 (V)	
Minimum Illumination	Color	0.1 Lux
	B/W	0.05 Lux
	IR ON	0 Lux
Shutter Speed	Automatic, Manual (1/30 ~ 1/16000 sec)	
White Balance	Automatic, Manual (2800 ~ 8500K)	
Gain Control	Automatic	
S/N Ratio	54 dB	
WDR	Yes	
Dynamic Range	Up to 72 dB	

Lens

Megapixel	Yes	
Day/Night	Yes (with removable IR-cut filter)	
Lens Type	Fixed	
Focal Length	3.93 mm	
Maximum Aperture	F/2.3	
Mount	M12, Pitch 0.5 mm	
Image Format	1/1.7"	
Horizontal FOV	112°	
Operation	Focus	Fixed
	Zoom	N/A
	Iris	Fixed
IR LED Quantity	12 IR LEDs	
Max. IR Distance	50 m (164.04 ft)	

Operation

Video Compression	H.264, MJPEG	
Video Streaming	Dual streams from H.264 or MJPEG	
Frame Rate	15 fps at 4000 x 3000 (60/50 Hz) * 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, Shutter Speed, Backlight Compensation, D/N Sensitivity, WDR, Defog, Low Lux Enhancement, Denoise, Metering	
Audio Compression	G.711, AAC (optional)	
Audio Support	Two-Way Audio (external microphone and speaker required)	
Sensor Input	4 Inputs (Dry Contact)	
Sensor Output	1 Digital Output (4A 30V DC/250V AC)	
Video Resolution		
Main Stream	4:3	4000 x 3000 (Default)
Sub Stream	4:3	1024 x 768 (Default), 640 x 480, 320 x 240
Network		
Interface	10/100/1000 Ethernet	
Protocol	DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), RTSP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA	
Mechanical		
Temperature Detector	Yes	
Connectors	Power	DC Jack, PoE ++
	Ethernet	RJ-45
	Audio	1 In (RCA female for microphone) 1 Out (RCA female for speaker)
	Digital I/O	I/O wires
	Local Storage	Micro SD card slot x 4 (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
General		
Operating Temperature	Start-up	-40°C (-40°F)
	Operation	-40°C ~ 50°C (-40°F ~ 122°F)
Heater	Heater On: 0°C (32°F); Off: 5°C (41°F)	
Fan-on	50°C (122°F)	
Humidity	10% to 90% (no condensation)	
Power Source	24V DC, 3.75A / 24V AC, 3A / High PoE (PoE++, 72 W)	
Max. Power Consumption	72 W	
Dimensions	Ø 325.60 mm x 152.60 mm (12.82" x 6.01")	
Weight	3700 g / 8.16 lb	
Ingress Protection	IP67	
Vandal Resistance	IK10 for metal casing	
Regulatory	CE, FCC, RoHS compliant	
Power over Ethernet		
PoE Standard	PoE++ (72 W) / PD	
PoE Power Supply Type	End-Span	
PoE Power Output	Per Port 56V DC, 1286mA. Max. 72 watts	
Web Interface		
Installation Management	Web-based configuration	
Maintenance	Firmware upgrade through Web Browser or Utility	
Access from Web Browser	Live View, Video Recording, Image Quality, Bandwidth Control, Image Snapshot, I/O Control, 2-way Audio, Picture-in-Picture (PIP), Picture-and-Picture (PAP), Text Overlay, Image Masking	
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-VMS, GV-Backup Center, GV-Recording Server	
Smart Device Access	GV-Eye for iOS and Android	
Live Viewing	Browser (IE, Chrome, Firefox, Safari), mobile phone	
CMS Server support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor	

Note:

1. The signal range and data throughput may vary depending on the network conditions and environmental factors.
2. Specifications are subject to change without notice.

Packing List

- | | |
|--------------------|-------------------|
| 1. GV-SV48000 | 5. GV-Mount103-1 |
| 2. Hex Wrench | 6. Download Guide |
| 3. RJ-45 Connector | 7. Warranty Card |
| 4. Silica Gel Bag | |

Accessories

Model No.	Name		Details
GV-Mount102	Straight Tube Box Mount		Dimensions: 256 x 256 x 316 mm (10.1 x 10.1 x 12.4") Weight: 6.6 kg (14.6 lb)
GV-Mount103	Straight Tube Mount		Dimensions: 219 x 125 x 340 mm (8.6 x 4.9 x 13.4") Weight: 2.2 kg (4.9 lb)
GV-Mount103-1	Straight Tube Mount		Dimensions: 219 x 125 x 240 mm (8.6 x 4.9 x 9.4") Weight: 1.76 kg (3.88 lb)
GV-Mount207	Pendant Tube		Dimensions: 151.6 x 203.6 x 302.8 mm (5.97 x 8.02 x 11.92") Weight: 1.43 kg (3.15 lb)
GV-Mount208-1	Swan Neck Mount		Dimensions: 1043 x 565 x 256 mm (41.06 x 22.24 x 10.08") Weight: 10.6 kg (23.37 lb)

Model No.	Name		Details
GV-Mount300-1	Convex Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 kg (9.41 lb)
GV-Mount400-1	Pole Mount Bracket Kit (Ø 4" ~ 6")		Dimensions: Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 4" ~ 6"
GV-Mount410-1	Pole Mount Bracket Kit (Ø 6" ~ 7.5")		Dimensions: Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 6" ~ 7.5"
GV-Mount501	Convex Corner Box Mount		Dimensions: 136 x 256 x 256 mm (5.4 x 10.1 x 10.1") Weight: 4.8 kg (10.6 lb)
GV-Mount702	Extension Tube		Four options are available. Dimensions: Ø 5.4 x 10 or 20 or 30 or 50 cm (Ø 2.1" x 3.9" or 7.9" or 11.8" or 19.7") Weight: 180 g or 390 g or 550 g or 800 g (0.4 lb or 0.86 lb or 1.21 lb or 1.76 lb)
GV-PA901	PoE Adapter		Weight: 250 g / 0.55 lb Dimensions (H x W x D): 69 x 40 x 93 mm (2.7" x 1.57" x 3.66")