September 30, 2016



GV-SD2411 (30x) PoE Outdoor Full HD IP Speed Dome



- 1/2.8" progressive scan super low lux CMOS sensor
- Min. illumination at 0.002 lux
- Full HD 1080p at up to 60 fps
- 30x optical zoom and 12x digital zoom
- Wide Dynamic Range Pro (WDR Pro)
- Day and night function with IR-cut filter
- 2-way audio
- Vandal resistance (IK10 for metal and polycarbonate casing)
- Ingress protection (IP67)
- Built-in micro SD card slot (SD/SDHC/SDXC/UHS-I) for local storage
- 4 digital inputs, 1 relay output
- DC 24V / AC 24V / High PoE (PoE++, 50 W)
- Pan 360° endlessly
- Tilt from -20° to 200°
- Preset speed at up to 460° /sec
- PTZ movement (Preset, Sequence, Auto Pan, Cruise and Tour)
- PTZ movements by schedule
- Auto and manual PTZ calibration
- Auto focus
- Backlight compensation
- Image noise reduction
- Motion detection
- Privacy mask
- Dual streams from H.264 and MJEPG
- Recording assigned by GV-Edge Recording Manager (Windows & Mac)
- Smart phones & 3GPP support
- 31 languages on Web interface
- ONVIF (Profile S) conformant
 - * Optional GV-PA901 PoE Adapter is required for applying PoE function

Introduction

GV-SD2411

The GV-IP Speed Dome (GV-SD2411) is a network PTZ camera designed for image quality and adaptability in various environments. This camera offers image of 1080p at 60 fps and 30x optical zoom, capable of showing smooth live view with great detail. In low-light environments, image quality is promised with its image processing tools, such as IR-cut filter (ICR), Wide Dynamic Range Pro (WDR Pro), Backlight Compensation and noise reduction.

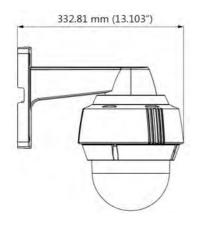
Wide surveillance coverage is made possible with 360° endless panning and $-20 \sim 200^\circ$ tilting capacity. Dome movements such as Preset, Sequence, Auto Pan, Cruise and Tour can be programmed and activated by schedule. You can create multiple dome movement modes and have different modes enabled at different time slots. The GV-IP Speed Dome provides variable pan/tilt speeds ranging from a fast patrol of 460° per second to a slow ramble of 0.5° per second with 0.2° pan accuracy for fast and accurate tracking ability.

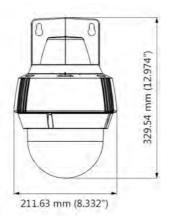
GeoVision offers a complete series of GV-IP Speed Dome for indoor and outdoor use, and also optional mounting kits for outdoor installations on wall, ceiling and pole.

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Dimensions







Specifications

opecinications				
Camera				
Image Sensor		1/2.8" progressive scan super low lux CMOS		
Optical Zoom		30x		
Digital Zoom		12x		
Picture Elements		1920 (H) x 1080 (V)		
Minimum Color		0.05 Lux at F/1.6		
Illumination B/W		0.002 Lux at F/1.6		
Electronic Shutter		1/1 ~ 1/10000 sec.		
White Balance		Auto / Manual		
Iris Control		Auto / Manual		
AGC control		Auto / Manual		
S/N Ratio		50 dB (AGC Off)		
WDR Pro		Yes (with WDR sensor)		
Dynamic Range		Up to 100 dB		
Optical Lens				
Megapixel		Yes		
Day / Night		Yes (with removable IR-cut filter)		
Focal Length		4.3 ~ 129 mm		
Maximum Aperture		F/1.6		
Horizontal FOV		59.5° ~ 2.1°		
	Focus	Auto / Manual		
Operation	Zoom	30x		
	Iris	Auto / Manual		
Video				
Video Compressio	n	H.264, MJPEG		
Video Streaming		Dual streams from H .264 or MJPEG		
Video Resolution	Main Stream 16:9	1920 x 1080 (Default), 1280 x 720, 640 x 360, 448 x 252		
Video Resolution	Sub Stream	640 x 360, 448 x 252 (Default)		
		60/50 fps at 1920 x 1080 (60/50 Hz)		
Frame Rate		* The frame rate and performance may vary depending on the number of connection		
		and data bitrates (different scenes).		
Audio				
Audio Compression		G.711, AAC (optional)		
Audio Support		Two-way audio		
Sensor Input		4 Input (dry contact)		
Alarm Output		1 Digital output (200 mA 5V DC)		
Network		40 (400) 4 Fil		
Interface		10/100M Ethernet		
Protocol		DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), QoS (DSCP), RTSP, SMTP, SNMP, TCP, UDP, UPnP, 3GPP/ISMA		

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Vlechanical				
Temperatu	re Detector	Yes		
·	Power	DC Jack, PoE ++		
	Ethernet	10/100 Base-T, RJ-45 connector		
Connectors	Audio	1 in (RCA female for microphone); 1 out (RCA female for speaker)		
Connectors		SD card slot (SDHC/SDXC/UHS-I, Class 10)		
	Local Storage	*UHS-II card type is not supported.		
	Digital I/O	I/O wires		
peration				
Pan Travel		360° endless		
Tilt Travel		-20° ~ 200°		
Manual Spe	eed	0.5° ~ 460°/s		
Calibration		Auto / Manual		
Б	Max. Number	255		
Presets	Accuracy	0.2°		
	Max. Number	8		
Sequence -	Max. Presets Allowed	16		
Auto Pan	anı i i ooto i illovod	8		
Cruise		4		
31 0130	Max. Number	8		
_	Max. Number of Preset /			
Tour	Sequence / Auto Pan /	16		
Privacy Mas	Cruise sk	8		
	al Pan & Tilt	Auto (Pan and tilt speed proportional to zoom ratio)		
Automatic		Preset, Sequence, Auto Pan, Cruise, Tour		
Mechanical		On / Off		
Digital Slow	•	On / Off		
Motion Det		On / Off		
		On / Off		
Wide Dynar		On / Off		
	Mechanical IR Cut Filter			
Picture Flip		On / Off		
Image Free:		On / Off		
Digital Nois	e Reduction	On / Off		
	Input	4		
Alarm	Output	1		
	Reaction	Preset, Sequence, Auto Pan, Cruise, Tour		
General	-	1000 5500 (1005 10105)		
Operating I	Temperature	-40°C ~ 55°C (-40°F ~ 131°F)		
Heater		Heater 1 On: 5°C (41°F); Off: 8°C (46.4°F) Heater 2 On: -7°C (19.4°F); Off: -2°C (28.4°F)		
Fan-On		55°C (131°F)		
Humidity		20% ~ 90% (non-condensing)		
Dimensions	<u> </u>	Ø 211.63 x 232 mm (8.332" x 9.13")		
	5			
Weight		3.1 kg (6.82 lb)		
Power Consumption		24V AC ± 10%, 3A / 24V DC ± 10%, 3.75A / High PoE++ (PoE++)		
Power Consumption		50 W (with 30 W heater)		
Ingress Protection Vandal Resistance		IP67		
Regulatory		IK10 for metal and polycarbonate casing		
		CE, FCC, RCM, RoHS compliant		
Poer Standa		DoE /FO MA / DD		
PoE Standard		PoE++ (50 W) / PD		
PoE Power Supply Type PoE Power Output		End-Span		
	•	56V DC, 1050 mA (50 W Max.)		
Web Interfac		Wah hasad configuration		
Installation Management Maintenance		Web-based configuration		
		Firmware upgrade through Web Browser or Utility		

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Access from Web Browser	Live View, Video Recording, PTZ Control, Preset, Sequence, Cruise, Auto Pan, Tour, 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 / Norwegiar / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish			
Applications				
Network Storage	GV-System (GV-DVR / NVR), 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. Specifications are subject to change without notice.
- 2. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
- 3. 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.
 - The stored data can be lost if the memory card is not accessed for a long period of time. Back up your data periodically if you seldom access the memory card.
 - Memory cards are expendable and their durability varies according to the conditions of the installed site and how they are used. Back up your data regularly and replace the memory card annually.
 - To avoid power outage, it is highly suggested to apply a battery backup (UPS).
 - For better performance, it is highly suggested to use 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. GV-SD2411 Outdoor IP Speed Dome

2. Pendant Tube

3. Hex Key x 2

4. Rubber Ring

5. RJ-45 Connector

6. Desiccant Pack x 2

7. Data Cable

8. GV-IP Speed Dome Software CD

9. GV-NVR Software DVD

10. Warranty Card

Note: Power adapters can be purchased upon request.



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-Mount300	Convex Corner Adapter Kit	Dimensions: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 kg 9.41 lb)
GV-Mount310	Concave Corner Adapter Kit	Dimensions: 123.3.6 x 393.1 mm (4.9" x 15.5") Weight: 2.96 kg (6.53 lb)
GV-Mount400	Pole Mount Bracket Kit (Ø 4" ~ 6")	Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap: Ø 4" ~ 6"
GV-Mount410	Pole Mount Bracket Kit (Ø 6" ~ 7.5")	Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap: 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)



Model No.	Name	Details
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-Mount908-2	In-Ceiling Mounting Kit	Mounting plate: 205 x 128 x 227 mm (8.1 x 5 x 8.9") Weight: 3 kg (6.6 lb)
GV-PA901	PoE Adapter	The GV-PA901 PoE adapter is designed to provide power and network connection to IP cameras over a single Ethernet cable.
Power Adapter	DC 24V Power Adapter 100-240V AC US DC 24V Power Adapter 100-240V AC AU DC 24V Power Adapter 100-240V AC AR DC 24V Power Adapter 100-240V AC EU DC 24V Power Adapter 100-240V AC JU DC 24V Power Adapter 100-240V AC JU	Dimensions (L x W): 132.75 x 58.6 mm (5.23" x 2.3") Weight: 0.39 kg (0.86 lb) Input: 100 to 240V AC 2.5A 50-60Hz Output: 24V DC 3.75 A

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