

## GV-PPTZ7300 7MP H.264 Low Lux WDR Panoramic PTZ IP Camera

### Key Features



- Panoramic fisheye camera (FE) integrated with a PTZ speed dome (SD)
- FE: 1/2.5" progressive scan CMOS  
SD: 1/2.86" progressive scan CMOS
- Dual streams from H.264 and MJPEG
- FE: Up to 10 fps at 2560 x 1920  
SD: Up to 30 fps at 1920 x 1080
- FE: Day and night (Electronic)  
SD: Day and night (with removable IR-cut filter)
- FE: Wide Dynamic Range (WDR)  
SD: Wide Dynamic Range Pro (WDR Pro)
- Vandal resistance (IK10 for metal and polycarbonate casing)
- Ingress protection (IP67)
- Wide temperature tolerance (-40°C ~ 50°C / -40°F ~ 122°F)
- 2 built-in micro SD card slots (SD/SDHC) for local storage (1 each for FE and SD)
- 4 sensor inputs and 1 alarm output
- DC 24V / AC 24V / High PoE (PoE++, 40 W)
- FE: Provides 360° panorama view
- SD: 10x optical zoom and 32x digital zoom
- SD: pan 355° and tilt from -15° to 195°
- SD: Preset speed at up to 460°/sec
- SD: PTZ movement (Preset, Sequence, Auto Pan, Cruise and Tour)
- Two-way audio
- 2D noise reduction
- Defog
- Tampering alarm
- Privacy mask
- Visual automation
- Text overlay
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More storage option - [NAS](#)

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

\* Optional GV-PA901 PoE Adapter is required for applying PoE function.

### Introduction

GV-PPTZ7300 is a 2-in-1 panoramic PTZ IP camera that includes a 5 MP fisheye panoramic camera and a 2 MP IP Speed Dome. The fisheye camera allows you to monitor all angles of a location, while the speed dome can instantly point toward an area with just one click on the fisheye live view. Without installing any software, you can watch live view and utilize functions such as motion detection, privacy mask, and alert notification through the Web interface.

Photo

Integrated Live View

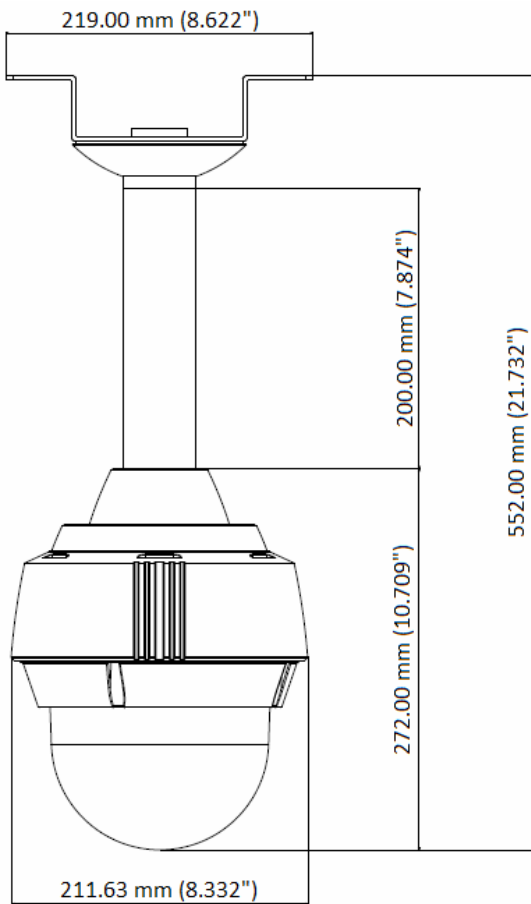


2 MP Speed Dome



5 MP Fisheye Camera

Dimensions



## Specifications

System Requirements		
OS	64-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008 R2 / Server 2012 R2
GV-VMS Version		GV-VMS V15.10.1.0 with patch or later
Browser		Internet Explorer 7.x or later, Firefox, Google Chrome, Safari
Camera		
Image Sensor		FE: 1/2.5" progressive scan CMOS SD: 1/2.86" progressive scan CMOS
Picture Elements		FE: 2560 (H) x 1920 (V) SD: 1920 (H) x 1080 (V)
Minimum Illumination	Color	FE: 0.15 Lux SD: 0.5 Lux
	B/W	FE: 0.15 Lux SD: 0.1 Lux
Shutter Speed		FE: Automatic, Manual (1/5 ~ 1/8000 sec.) SD: Automatic, Manual (1/6 ~ 1/60000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		FE: Automatic SD: Automatic, Manual
S/N Ratio		FE: 45 dB SD: 50 dB (AGC Off)
WDR		FE: Yes (WDR) SD: Yes (WDR Pro)
Dynamic Range		FE: Up to 72 dB SD: Up to 100 dB
Optics Lens		
Megapixel		Yes
Day/Night		FE: Yes (Electronic) SD: Yes (with removable IR-cut filter)
Lens Type		FE: Fixed SD: 10x Zoom Lens
Focal Length		FE: 1.32 mm SD: 5.1 ~ 51 mm
Maximum Aperture		FE: F/2.0 SD: F/1.6
Horizontal FOV		FE: 180° SD: 54° ~ 4.9°
Operation	Focus	FE: Fixed SD: Auto / Manual
	Zoom	FE: Fixed SD: 10x
	Iris	FE: Fixed SD: Auto / Manual
Operation		
Video Compression		H.264, MJPEG
Video Streaming		Dual streams from H.264 or MJPEG
Frame Rate		FE: 10 fps at 2560 x 1920, 15 fps at 2048 x 1944, 1440 x 1376, 1280 x 1200 (60/50 Hz) SD: 30/25 fps at 1920 x 1080, 60/50 fps at 1280 x 720, 640 x 360, 448 x 252 (60/50 Hz) *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, Shutter Speed, D/N, Denoise, WDR, Defog, Metering
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)

Video Resolution		
Main Stream (FE)	4:3	2560 x 1920
	20:19	2048 x 1944 (Default), 1440 x 1376, 1280 x 1200
Sub Stream (FE)	4:3	640 x 480
	20:19	640 x 608 (Default)
Main Stream (SD)	16:9	1920 x 1080 (Default), 1280 x 720, 640 x 360, 448 x 252
Sub Stream (SD)		640 x 360, 448 x 252 (Default)
Network		
Interface	10/100 Ethernet	
Protocol	DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), RTSP, SMTP, TCP, UDP, 3GPP/ISMA	
Mechanical		
Temperature Detector	Yes	
Connectors	Power	DC Jack, PoE++
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector
	Audio	1 in (RCA female for microphone); 1 out (RCA female for speaker)
	Digital I/O	I/O wires
	Local Storage	2 micro SD card slots (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.
PTZ Control Panel		
Pan Travel	355°	
Tilt Travel	-15° ~ 195°	
Manual Speed	0.5° ~ 460°/s	
Calibration	Auto / Manual	
Presets	Max. Number	255
	Accuracy	0.2°
Sequence	Max. Number	8
	Max. Presets	16
Auto Pan	8	
Cruise	4	
Tour	Max. Number	8
	Max. Number of Preset / Sequence / Auto Pan / Cruise	16
Privacy Mask	8	
Proportional Pan & Tilt	Auto (Pan and tilt speed proportional to zoom ratio)	
Automatic Function	Preset, Sequence, Auto Pan, Cruise, Tour	
Digital Slow Shutter	On / Off	
Motion Detection	On / Off	
Wide Dynamic Range	On / Off	
Day/Night: Mechanical IR Cut Filter	On / Off	
Picture Flip	On / Off	
Image Freeze	On / Off	
Digital Noise Reduction	On / Off	
Alarm	Input	4
	Output	1
	Reaction	Preset, Sequence, Auto Pan, Cruise, Tour
General		
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°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	45°C (113°F)	
Humidity	20% to 90% (no condensation)	
Power Source	DC 24V / AC 24V / High PoE (PoE++, 40 W)	

Max. Power Consumption	40 W
Dimension (Straight Tube Mount)	Ø 211.63 x 272.00 mm (8.332" x 10.709")
Weight	3.75 kg (8.27 lb)
Ingress Protection	IP67
Vandal Resistance	IK10 for metal and polycarbonate casing
Regulatory	CE, FCC, RCM, RoHS compliant
<b>Power over Ethernet</b>	
PoE Standard	PoE++ (40 W) / PD
PoE Power Supply Type	End-Span
PoE Power Output	Per Port 56V DC, 1050 mA. Max. 40 watts
<b>Web Interface</b>	
Installation Management	Web-based configuration
Maintenance	Firmware upgrade through Web Browser or Utility
Access from Web Browser	Camera Live View, Video Recording, PTZ Control, Preset, Sequence, Cruise, Auto Pan, Tour, Change Video Quality, Bandwidth Control, Image Snapshot, Digital I/O Control, Two-Way Audio, Picture in Picture, Picture and Picture, Motion Detection, Privacy Mask, Visual Automation, Tampering Alarm, Wide Angle Lens Dewarping, Text Overlay
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
<b>Applications</b>	
Network Storage	GV-Backup Center, GV-Recording Server, GV-VMS * GV-Backup Center and GV-Recording Server will be supported in the near future.
Live Viewing	Browser (IE, Chrome, Firefox, Safari)
CMS Server Support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor *Integrated live view not supported.

**Note:**

- Specifications are subject to change without notice.
- Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
- 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 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. Panoramic PTZ IP Camera | 8. 5 mm Hex Key                 |
| 2. Data Cable              | 9. Rubber Ring                  |
| 3. Mounting Bracket        | 10. RJ-45 Connector             |
| 4. Mounting Cap            | 11. Desiccant Pack x 2          |
| 5. Tube                    | 12. GV-IPCAM H.264 Software DVD |
| 6. 2 mm Hex Key            | 13. GV-NVR Software DVD         |
| 7. 3 mm Hex Key            | 14. 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-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-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	Image	Details
GV-Mount702	Extension Tube		<p>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)</p>
GV-Mount908-2	In-Ceiling Mounting Kit		<p>Mounting plate: 205 x 128 x 227 mm (8.1 x 5 x 8.9")            Weight: 3 kg (6.6 lb)</p>
GV-PA901	PoE Adapter		<p>The GV-PA901 PoE adapter is designed to provide power and network connection to IP cameras over a single Ethernet cable.</p>
Power Adapter		Contact your sales representative for the countries and areas supported.	