

GV-PT220D 2MP H.264 WDR IR Pan Tilt IP Camera



- 2 megapixel progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Pan and tilt (Pan: -175° ~ 175°; Tilt: -45° ~ 90°)
- Input-triggered Preset points
- One sensor input and alarm output
- Built-in / external microphone
- Built-in micro SD card slot (SD/SDHC) for local storage
- DC 12 V / AC 24 V / PoE
- Removable IR-cut filter for Day/Night function
- Intelligent IR
- Wide Dynamic Range (WDR)
- 2-way audio
- Motion detection
- Defog
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

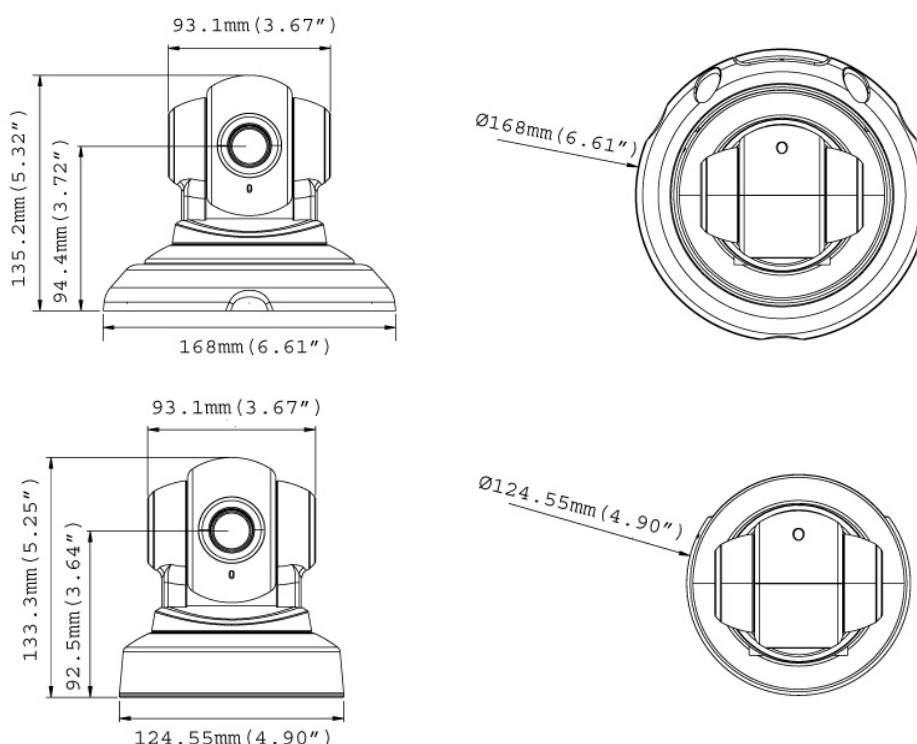
* No memory card slot & local storage function for Argentina.

Introduction

The GV-PT220D is an indoor pan and tilt camera that is designed to monitor a wide surveillance area. The camera supports remote pan and tilt control and is capable of storing pre-established panning/tilting movements and points on live view for immediate monitoring. Equipped with IR LEDs and IR-cut filter, the camera provides excellent image quality in the dark.

Overview

- Dimensions



- Panel



Specifications

Camera		
Image Sensor		1/2.5" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color	0.15 Lux
	B/W	0.10 Lux
	IR ON	0 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		45 dB
BLC		Yes
Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Iris		Fixed
Focal Length		4.0 mm
Maximum Aperture		F/1.5
Lens Mounting		M12, Pitch 0.5 mm
Image Format		1/2.5"
Horizontal FOV		58°
Operation	Focus	Manual (w/lock)
	Zoom	Fixed
	Iris	Fixed
IR LED Quantity		10 IR LEDs
Max. IR Distance		15 m (50 ft.)
Operation		
Video Compression		H.264, MJPEG
Video Stream		Dual Streams

Operation			
Video Resolution	Main Stream	4:3	1600 x 1200, 1280 x 960, 640 x 512, 320 x 256
		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
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, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, D/N sensitivity, Backlight Compensation, WDR, Defog	
Audio Compression		G.711, AAC (optional)	
Audio Support		Two-Way Audio	
Sensor Input		1 Input (Dry Contact)	
Alarm Output		1 Output	
Network			
Interface		10/100 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	-175° ~ 175°	
	Tilt	-45° ~ 90°	
Connectors	Power	2-pin terminal block, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable	
	Audio	1 In (Using a built-in or an externally connected microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14")	
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.	
	Digital I/O	3-pin terminal block (pitch 2.5 mm / 0.1")	
LED Indicator		2 LEDs: Power and Status	
General			
Environment Temperature		0°C ~ 50°C (32°F ~ 122 °F)	
Humidity		10% to 90% (no condensation)	
Power Source		12V DC / 24V AC / PoE	
Max. Power Consumption		12.5 W (max. 1.25A at 12V DC)	
Regulatory		CE, FCC, C-Tick, RoHS compliant	
Dimensions	With mounting base and cover	167.75 x 166.78 x 135.2 mm (6.6" x 6.57" x 5.32")	
	Without mounting base and cover	124.55 x 122.73 x 133.3 mm (4.9" x 4.83" x 5.25")	
Weight		440 g (0.97 lb)	
Regulatory		CE, FCC, C-Tick, RoHS compliant	
Power over Ethernet			
PoE Standard		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, 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	

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-Center V2, GV-VSM, GV-Control Center

Note: Specifications are subject to change without notice.

Packing List

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|-----------------------|--------------------------------------|
| 1. PT Camera | 8. Round Screw x 3 |
| 2. Mounting Base | 9. Terminal Block x 1 |
| 3. Mounting Cover | 10. Washer x 3 |
| 4. Wall Mount Bracket | 11. GV-IPCAM H.264 Quick Start Guide |
| 5. Screw Anchor x 3 | 12. GV-IPCAM H.264 Software CD |
| 6. Long Screw x 3 | 13. GV-NVR Software DVD |
| 7. Short Screw x 3 | 14. GV-NVR Quick Start Guide |

Accessories

Name	Details
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-Relay V2 	The GV-Relay V2 is designed to expand the voltage load of GV IP devices. It provides 4 relay outputs, and each can be set as normally open (NO) or normally closed (NC) independently as per your requirement.
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.