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 (SDHC / SDXC) card slot 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
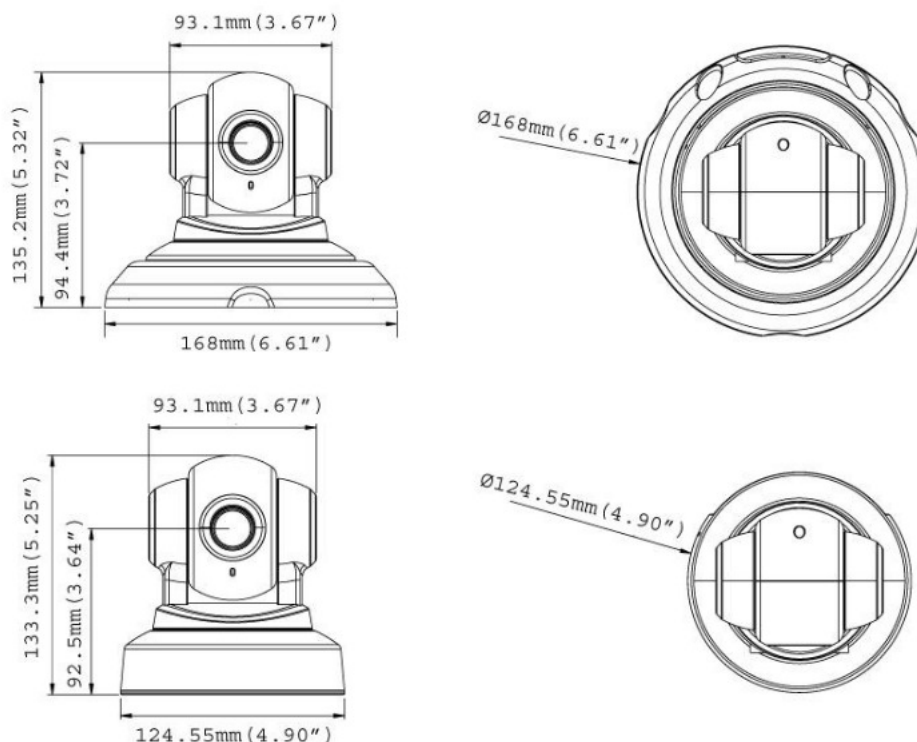- 31 languages on Web interface
- ONVIF (Profile S) conformant

* 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"
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
Two-way Audio			Yes
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 memory card slot (SDHC / SDXC for Class 6 card or above)
	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

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