

Camera		PPTZ7300
SoC		DM368
Image Sensor		Fisheye: 1/2.5" 5 MP CMOS Digital Image Sensor PTZ: 1/2.86" Panasonic CMOS Sensor
Optical Zoom		10X
Digital Zoom		32X
Picture Elements		Fisheye: 2560 (H) x 1920 (V) PTZ: 1920 (H) x 1080 (V)
Minimum Illumination	Color	Fisheye: 0.15 Lux PTZ: 0.5 Lux
	B/W	Fisheye: 0.10 Lux PTZ: 0.1 Lux
Shutter Speed		Fisheye: Auto / Manual (1/5~1/8000 sec) PTZ: Auto / Manual (1/6~1/60000 sec)
White Balance		Automatic, Manual (2800K ~ 8500K)
Iris Control (zoom module)		Auto/Manual
AGC (zoom module)		Auto/Manual
S/N Ratio		Fisheye: 45 dB PTZ: 50 dB (AGC off)
WDR Pro		Fisheye: Post-WDR PTZ: WDR Pro
S/N Ration		Fisheye: 45 db PTZ: 50 dB
Lens		
Megapixel		Fisheye: 5MP PTZ: 2MP
Day/Night		Yes (electronic)
Lens Type		Fisheye: Fix lens PTZ: 10X zoom module
Focal Length		Fisheye:1.32mm zoom module: f = 5.1mm ~ 51mm

Maximum Aperture		Fisheye: F/2.0 zoom module: F1.6 (wide) ~ F1.8 (tele)
Horizontal FOV		Fisheye: 180° zoom module: 4.9° / 54° (Tele/Wide)
Operation	Focus (zoom module)	Auto/Manual
	Zoom (zoom module)	10X
	Iris (zoom module)	Auto/Manual
Video & Audio		
Video Compression		H.264, MJPEG
Video Streaming		Dual streams
Frame Rate		30 fps at 1920 x 1080 ; 10 fps at 2560 x 1920 * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes)
Audio Compression		G.711, AAC (Optional)
Audio Support		Two-way Audio
Video Resolution		
Main Stream-Fisheye	4:03	2560 x 1920
	20:19	2048 x 1944, 1440 x 1376, 1280 x 1200
Sub Stream-Fisheye	20:19	640 x 608, 320 x 304
Main Stream-PTZ	16:09	1920 x 1080, 1280 x 720, 640 x 360, 448 x 252
Sub Stream-PTZ	16:09	640 x 360, 448 x 252
Network		
Interface		10/100 Base-T Ethernet, RJ-45 connector
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
	Power	DC Jack, PoE

Connectors	Ethernet	RJ-45
	Audio	1 in (RCA female for microphone); 1 out (RCA female for speaker)
LED Indicator		S/W ready LED
MicroSD		SD card slot (SD/SDHC, SD version 2.0 only, Class 10)
Digital I/O		4 x DI/1 x DO ; I/O wires
Operation		
Pan Travel		355°
Tilt Travel		-15 ° ~ 90 °
Manual Speed		0.5° ~ 460°/s
Calibration		Auto / Manual
Presets	Max. Number	255
	Accuracy	0.2°
Sequence	Max. Number	8
	Max. Presets Allowed	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
Mechanical Flip		On/Off
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	
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	10% to 90% (no condensing)	
Power Source	24V AC ± 10%, 3A / 24V DC ± 10%, 3.75A / PoE ++	
Max. Power Consumption	40W	
Dimensions	φ 214.55 x 211.5 mm (φ 8.45" x 8.33")	
Weight	2.75 Kg (6.1 lbs)	
Ingress Protection	IP67	
Vandal Resistance	IK10 for metal and polycarbonate casing	
Regulatory	CE, FCC, RCM, RoHS compliant	
Web Interface		
Installation Management	Web-based configuration	
Firmware Upgrade	Remote upgrade through Web browser or upgrade using IP Device Utility (included in the Software DVD)	
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 / 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-Recording Server, GV-Backup Center
Smart Device Access	GV-Eye for iOS and Android
Live Viewing	IE, mobile phone
Packing list	GV-PPTZ7300 7MP Low Lux WDR Panoramic PTZ IP camera x 1
	Pendant Tube (GV-Mount207) x 1
	Hex Key x 2
	Rubber ring x 1
	RJ-45 Connector x 1
	Desiccant pack x2
	Molding cable x1
	PA901 PoE Adapter (Option)
DC 24V Power Adapter (Option)	