

5MP LightHunter Active Deterrence Mini PTZ Camera

GV-PTZ5MP-AI-IP-2.7-13.5-IR50S



Features

- High quality image with 5MP, 1/2.8" CMOS sensor
- Ultra 265, H.265, H.264, MJPEG
- Smart intrusion prevention, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection
- LightHunter technology ensures ultra-high image quality in low illumination environment
- Up to 120 dB WDR (Wide Dynamic Range)
- Built-in Mic & Speaker
- Smart IR, Up to 50m (164 ft) IR distance and 15m (49 ft) warm light distance
- Micro SD, up to 512GB
- IP66 protection
- DC12V or PoE (IEEE 802.3at) power supply

Specifications

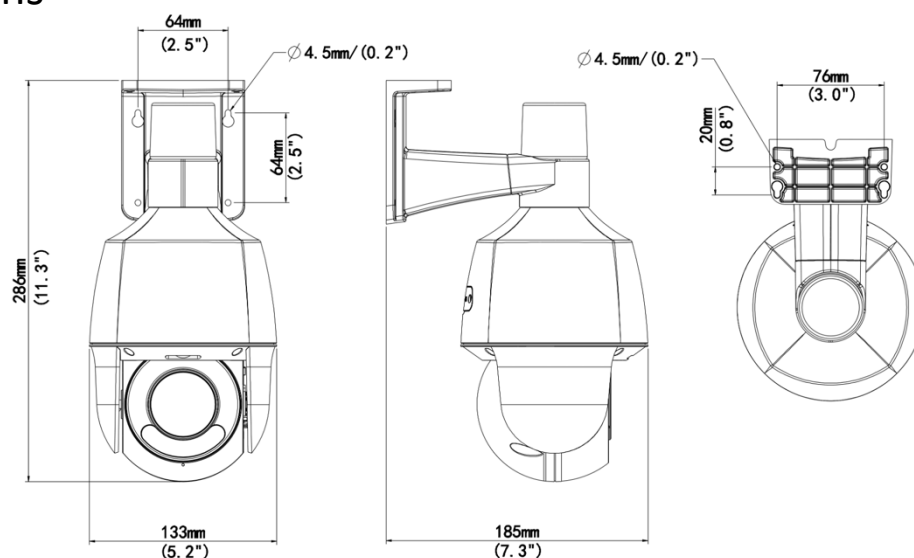
Model	GV-PTZ5MP-AI-IP-2.7-13.5-IR50S
Camera	
Max Resolution	5 MP
Sensor	1/2.7" CMOS
Min. Illumination	Color: 0.005 Lux (F1.2, AGC ON) 0 Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 to 1/100000 s
WDR	120 dB
S/N	>56 dB
Lens	
Focal Length	2.7 to 13.5 mm
Optical Zoom	5X
Iris	F1.2
Field of View (H)	106.9°~30.6°
Field of View (V)	56°~17.7°
Field of View (D)	131.5°-36.1°
DORI	
DORI Distance (Detect)	70.9 m ~ 247.5 m (232.5 ft ~ 812 ft)
DORI Distance (Observe)	28.4 m ~ 99 m (93 ft ~ 324.8 ft)
DORI Distance (Recognize)	14.2 m ~ 49.5 m (46.5 ft ~ 162.4 ft)
DORI Distance (Identify)	7.1 m ~ 24.8 m (23.3 ft ~ 81.2 ft)
Illuminator	
Illumination Distance (Warm Light)	15 m (49.3 ft)
Light On/Off Control	Auto/Manual
Illumination Distance (IR)	50 m (164.0 ft)
Wavelength	850 nm
Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG

Frame Rate	Main Stream: 5MP (2880*1620), Max 30fps Sub Stream: 720P (1280*720), Max 30fps Third Stream: D1 (720*576), Max 30fps
Video Bit Rate	128 Kbps to 16 Mbps
U-code	Support
ROI	Support
Video Stream	Triple Streams
Privacy Mask	Up to 4 areas
OSD	Up to 8 OSDs
Events	
Basic Detection	Motion Detection, Tampering Alarm, Audio Detection, Object Removed, Object Left Behind, Scene Change, Defocus Detection
General Function	Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication
Audio	
Audio Compression	G.711U, G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	16KHZ
Storage	
Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR, NAS (NFS)
Intelligent	
Exception Detection	Object Removed, Object Left Behind, Scene Change, Defocus Detection
Auto Tracking	Support, target filtering: human only
Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)
People Counting	Support People Flow Counting and Crowd Density Monitoring
Network	
Protocols	TLS1.3, SSH, IGMP, RTP, RTCP, SMTP, IPv4, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS

Compatible Integration	ONVIF (Profile S, Profile G, Profile T, Profile M), API, SDK
Security	Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF
Client	APP: Guard Viewer CMS: Guard Station Tools: Guard Tools
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above
Image	
White Balance	Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2
Digital Noise Reduction	2D/3D DNR
Flip	Normal, Flip Vertical, Flip Horizontal, 180°
HLC	Support
BLC	Support
Smart IR	Support
Defog	Digital Defog
PTZ	
Number of Presets	1024
Preset Patrol	16 patrols, up to 64 presets for each patrol
Patrol Stay Time	120 s to 1800 s
Home Position	Support
Pan Range	0° ~ 345°
Pan Speed	1°/s~50°/s
Tilt Range	-10° ~ 100°
Tilt Speed	1°/s~40°/s
Interface	
Audio I/O	1 Input: impedance 1 kΩ, amplitude 2.5 V [p-p], 1 Output: impedance 600 Ω, amplitude 2.5 V [p-p]
Alarm I/O	1/1
Built-in Mic	Support
Built-in Speaker	Support
Network	1 × RJ45 10 M/100 M Base-TX Ethernet

Certification	
EMC	CE-EMC (EN 55032: 2015+A11: 2020+A1: 2020, EN 50130-4: 2011+A1: 2014, EN 61000-3-3: 2013+A1: 2019+A2: 2021, EN IEC 61000-3-2: 2019+A1: 2021)
Safety	CE LVD (EN 62368-1: 2020+A11: 2020) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-ROHS (2011/65/EU;(EU)2015/863)
Protection	IP66 (IEC 60529:1989+AMD1:1999+AMD2:2013)
General	
Power	DC12V(±25%), PoE(IEEE 802.3at)
Power Consumption	18 W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	185 x 133 x 286mm (7.3" x 5.2" x 11.3") (L x W x H)
Weight	1.32 kg
Working Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-40°C ~ 70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	2 KV
Reset Button	Support
Web Client Language	22 Languages: Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe), Portuguese (Brazil), Japanese, Thai, Turkish, Spanish (Latin America), Spanish (Europe), Hungarian, Italian, Vietnamese, Arabic, Slovak
Heater	Support

Dimensions



Accessories

GV-JB7D

Bullet Junction Box
(Support wiring from behind)



GV-CM6-D

Alarm Ball Machine Hoisting Bracket



GV-CM8C

Bullet&Dome Corner Mounting Bracket



GV-A1

NPT 3/4" Waterproof Cable Gland



GV-PS6C

Pole Mounting Bracket for Bullet Junction Box Only



GV-PS6B

Bullet Pole Mounting Bracket

