



GE-PTZ 189MIT/6-264mm

5MP, IP66,44X, Thermal AEW PTZ Camera

Pro series



KEY FEATURES

- Housing (Metal)
- Supports optical and thermal bi-spectrum image
- Vanadium Oxide Uncooled Focal Plane Arrays
- Thermal Resolution 384×288
- Optical Resolution up to 3072×1728@30fps
- Min. illumination Color: 0.001Lux@F1.6
- Optical zoom: 44×, digital zoom 16×
- Smart IR, IR Range: 300m
- Built-in Speaker
- Built-in Automatic Wiper
- Built-in Electronic Compass
- Support GPS/BDS
- S+265/H.265/H.264/M-JPEG
- Intelligent monitoring/Face Capture mode
- Support Human/Vehicle Classification
- Support Laser Point
- Plugin Free
- IP66





SPECIFICATIONS

Image	
Max. Resolution	Optical:3072×1728@30fps Thermal:384×288@30fps
Main Stream	Optical: PAL:25fps (3072×1728,2560×1440,2304×1296,1920×1080,1280×720) 50fps (2560×1440,2304×1296,1920×1080,1280×720) NTSC:30fps (3072×1728,2560×1440,2304×1296,1920×1080,1280×720) 60fps (2560×1440,2304×1296,1920×1080,1280×720) Thermal: PAL:25fps (384×288) NTSC:30fps(384×288)
Sub Stream	Optical: PAL:25fps (704×576,704×288,352×288,640×360) NTSC:30fps (704×480,704×240,352×240,640×360) Thermal: PAL:25fps (384×288) NTSC:30fps (384×288)
Third Stream	Optical: PAL:25fps (1920×1080,1280×720,704×576,704×288,352×288,640×480) NTSC:30fps (1920×1080,1280×720,704×480,704×240,352×240,640×480) Thermal: PAL:25fps (384×288) NTSC:30fps (384×288)
BLC, HLC, AGC, 3DNR	Yes
EIS	Yes
Privacy Mask	24 regions
White Balance	Auto/Semi-Auto/Manual/Sunshine/Nature Light/Warmlight Lamp/Daylight Lamp/Filament Lamp/Lock White Balance
OSD	5 regions(Each region can have a maximum of 127 characters ,up to 5 lines); 16*16/24*24/32*32/48*48/64*64/96*96/128*128/adaptable size; Vector/Lattice
Defog	Yes
ROI	7 Dynamic Areas for Both Main and Sub Stream
Regional Exposure, Demist, Regional Focus	Yes
Flip	Normal/ Inverted Flip
Pan &Tilt	
Pan Range	360°
Pan Speed	Manual Speed:0.1°~200°/s Preset Speed:240°/s
Tilt Range	-21°~90° (Default -13°~90°)
Tilt Speed	Manual Speed:0.1°~120°/s Preset:180°/s
3D Position	Yes
Preset	500
Cruise	16, up to 32 presets per cruise
Scan	8
Pattern	8, each with 600s memory or 1000 orders
Scheduled Task	Preset, Cruise, Scan, Pattern
Power-off Memory	Yes
North Point	Yes
Preset Freezing	Yes



Camera	
Image Sensor	1/1.8"CMOS
Min. Illumination	Color:0.001lux@ (F1.6,AGC ON),B/W:0lux with IR
Shutter Time	1s~1/100000s
Day & Night	IR-cut filter with auto switch (ICR)
Smart IR	Yes
WDR	120dB
Lens	
Focal Length	Optical:6mm~264mm
Optical Zoom	44X
Digital Zoom	16X
Zoom Speed	<6s
Aperture Range	Optical:F1.6~F5.3
Aperture Type	Optical: Auto(P-Iris)
Field of View	Optical:61.8°~2.3°(H);36.3°~1.3°(V);69°~2.6°(D)
Focus Control	Optical: Auto/Semi-auto/Manual
Close Focus Distance	Optical:100mm~1500mm
DORI Distance	Optical: Detect:2620m Observe:1040m Recognize:524m Identify:262m
Feature	
General Alarm	Optical: Motion Detection Thermal: Motion Detection; Optical: Mask Alarm
Exceptions Alarm	Disk Full; Disk R/W Error; IP Address Conflict; MAC Address Conflict; FTP Server Exception ; Network cable disconnected
Linkage Method	Send Email; Trigger Sound; Trigger Warmlight; Trigger Recording; Trigger Capture; Notify Surveillance Center; Alarm Output
Video Analytics	Optical: Perimeter; Tripwire; Double Tripwire; Object Abandon; Object Missing; Heatmap; Loitering; Running; People Counting; Crowded Detection; Safety Helmet Detection; On Duty Detection; Video Abnormal; Audio Abnormal; Human/Vehicle Classification Thermal: Perimeter; Tripwire; Double Tripwire; Human/Vehicle Classification
Auto Early Warning(AEW)	Yes
Auto-Tracking	Yes
Face Mode	Face Capture
Face Capture Performance	Detect up to 32 faces at the same scene; Capture up to 16 faces at the same scene



Network	
ANR	Yes
Protocols	HTTP; HTTPS; TCP/IP; UDP; UPnP; ICMP; IGMP; SNMP v1\v2\v3; DHCP; DNS; DDNS; Easy DDNS; NTP; SMTP; TLS v1.2; SSL; 802.1X; QoS; IPv4; IPv6; PPPoE; SSH; Unicast; Multicast; RTCP; ARP; SRTP; FTP; SFTP
System Compatibility	P2P; ONVIF(Profile S/T/G); SDK; CGI; RTSP
Remote Connection	≤ 7
User / Host	Up to 32 users. 4 user levels
Client	Golden Eye VMS
Web	IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+
Interface	
Communication Interface	2*RJ45 (10/100/1000Base-T)
On-board Storage	Built-in Micro SD card slot, up to 512 GB
Audio I/O	1*Input Impedance 1kΩ,2.0~2.4Vp-p; 1*Output Impedance 600Ω
Alarm I/O	8*Switching; 2*Switching, Voltage≤DC24V,Current≤1A
Reset Button	Yes
Built-in Speaker	1,4Ω4W
Additional Interfaces	RS485; BNC
Wiper / Electronic Compass	Yes
GPS/BDS	Yes
General	
Web Client Language	16 languages Simple Chinese/English/Traditional Chinese/Spanish/Italian/Korean/Turkish/Russian/Thai/ Polish/French/Dutch/ Hebraism/Vietnamese/Arabic/Farsi
Operating Temperature	-40°C~70°C(-40°F~158°F)
Operating Humidity	≤95%RH
Storage Temperature	-40°C~70°C(-40°F~158°F)
Storage Humidity	10%~95%RH (non-condensing)
Power Supply	AC24V±25%\DC36V±25%
Power Consumption	48W(IR OFF) ; 67W(IR ON)
Protection	Surge 4000V; ESD6000V; IP66
Material	Metal
Boundary Dimensions	308mm(D)x505mm(H)
Package Dimensions	460(L)460(W)720(H)mm
Gross Weight	21.4 Kg
Net Weight	11.85 Kg



Thermal parameters	
Thermal Sensor Type	Vanadium Oxide Uncooled Focal Plane Arrays
Thermal Length	50mm
Resolution	384x288
Piexl Interval	17μm
Response Waveband	8μm~14μm
NETD	≤40mK@f/1.0
Thermal FOV	Horizontal: 7.5°,Vertical: 5.6°
Measurement Distance Based on the reference: human (1.8m x 0.5m) vehicle (4m x 1.4m)	Detection: 4510m (vehicle),1471m (human) Recognition: 1127m (vehicle),368m (human) Identification: 564m (vehicle),184m (human)
Fire Detection Distance Based on the reference: fire (2m×2m)	3000m
Illuminator	
IR LEDs	11
IR Distance	Up to 300m
Wavelength	850nm
IR Irradiation Angle	Yes
White LEDs	2
White light Distance	30m
Compression Standard	
Video Compression	S+265/H.265/H.264B/H.264M/H.264H/Motion JPEG
Video Bit Rate	32Kbps~16Mbps
Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
Audio Sampling Rate	8KHz/32KHz/48KHz

Design and specifications are subject to change for product improvements without prior notice