



GE-PTZ 168MLW/Panoramic 2.8mm/5.7-35.9mm

16MP, IP66, 63X Polar Day Panoramic, AEW, PTZ Camera



Pro series



KEY FEATURES

- **Panoramic Camera**
- Housing (Metal)
- Four 1/1.8" CMOS
- Up to (5520 * 2400) @30fps
- Horizontal: 180°, Vertical: 85°
- Min. illumination Color: 0.0004 LUX@F1.0
- Support region clipping
- Support distortion correction
- **PTZ Camera**
- Auto-Tracking Early Warning (AEW)
- Up to 2560x1440 @ 30fps
- Optical Zoom: 63x, digital zoom 16x
- Support 3D Position
- Laser Distance : 500m
- Auto Wiper
- IP66





SPECIFICATIONS

Image	
Max. Resolution	Panorama:5520×2400@30fps Detail:2560×1440@30fps
Main Stream	Panorama: PAL:25fps (5520×2400,4096×1800,3840×1680,2784×1200) NTSC:30fps (5520×2400,4096×1800,3840×1680,2784×1200) Detail: PAL:25fps (2560×1440,2304×1296,1920×1080,1280×720) NTSC:30fps (2560×1440,2304×1296,1920×1080,1280×720)
Sub Stream	Panorama: PAL:25fps (2048×896,1280×560,704×320) NTSC:30fps (2048×896,1280×560,704×320) Detail: PAL:25fps (704×576,704×288,352×288,640×360) NTSC:30fps (704×480,704×240,352×240,640×360)
Third Stream	Panorama: PAL:25fps (1280×560) NTSC:30fps (1280×560) Detail: PAL:25fps (704×576,704×288,352×288,640×480) NTSC:30fps (704×480,704×240,352×240,640×480)
BLC, HLC, AGC,3 DNR	Yes
White Balance	Auto/Semi-Auto/Manual/Sunshine/Nature Light/Warm light Lamp/Daylight Lamp/Filament Lamp/Lock White Balance
OSD	5 regions (Each region can have a maximum of 127 characters, up to 5 lines); Panorama: 16*16/24*24/32*32/48*48/64*64/72*72/96*96/128*128/adaptable size Detail: 16*16/24*24/32*32/48*48/64*64/96*96/adaptable size
Defog	Yes
ROI	Panorama: 7 Fixed Areas for Both Main and Sub Stream Detail 7 rectangular 3D fixed focus areas, supporting 1 rectangular dynamic tracking ROI
Regional Exposure, Demist, Regional Focus	Yes
Privacy Mask	Panorama: 8 regions Detail:24 regions
EIS	Panorama: N/A Detail: Yes
Flip	Panorama: Normal Detail: Normal/Inverted Flip
Pan &Tilt	
Pan Range	0~360°
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	Panorama:1/1.8"CMOS, Detail:1/1.8"CMOS
Min. Illumination	Panorama:0.0004lux, Detail:0.001Lux
Shutter Time	1s~1/100000s
Day & Night	IR-cut filter with auto switch (ICR)
Smart IR	Yes
WDR	Panorama: D-WDR, Detail:120dB
Lens	
Focal Length	Panorama:2.8, Detail: 5.7mm~359mm
Optical Zoom	63X
Digital Zoom	16X
Zoom Speed	<8s
Aperture Range	Panorama: F1.0 Detail: F1.63~F4.94
Aperture Type	Panorama: Fixed Detail: Auto(P-Iris)
Field of View	Panorama:180°±10°(H);90°±10°(V) Detail:60°~1.5°(H); 35.5°~0.87°(V); 67.5°~1.77°(D)
Focus Control	Auto/Semi-auto/Manual
Close Focus Distance	Panorama:200mm Detail:1000mm~3000mm
DORI Distance	Panorama: Detect:63m; Observe:25m; Recognize:12m; Identify:6m Detail: Detect:3800m; Observe:1508m; Recognize:760m; Identify:380m
Feature	
General Alarm	Motion Detection; Mask Alarm; Alarm Input
Exceptions Alarm	Disk Full; Disk R/W Error; Recording Exception; IP Address Conflict; MAC Address Conflict; FTP Server Exception ; Network cable disconnected
Linkage Method	Send Email; Trigger Sound; Trigger Warm light; Trigger Recording; Trigger Capture; Notify Surveillance Center; Alarm Output
Video Analytics	Panorama: Tripwire, Double Tripwire, Heatmap, Human/Vehicle Classification Detail: Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Missing, Loitering, Running, Parking, Crowded Detection, People Counting, Safety Helmet Detection, On Duty Detection, Video Abnormal, Audio Abnormal, 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;
Illuminator	
IR LEDs	Detail:11
IR Distance	Detail:300m
Wavelength	Detail: 850nm
White LEDs	Detail:2
White light Distance	Detail: 30m
IR Irradiation Angle	Detail: Yes
Red & Blue Alarm Flash	Yes
Laser Distance	Detail: 500m



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
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	ONVIF (Profile S/T/G/M); SDK; CGI; RTSP; RTMP
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	1*RJ-45 (10/100 Base-T)
Built-in Speaker	1,4Ω4W
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
Additional Interfaces	RS485; BNC
Wiper, Electronic Compass	Yes
General	
Web Client Language	17 languages Simple Chinese/English/Traditional Chinese/Spanish/Italian/ Korean/Turkish/Russian/Thai/ Polish/French/Dutch/ Hebraism/Vietnamese/Arabic/German/Ukrainian
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	DC36V±25%
Power Consumption	50W(IR OFF) ; 76W(IR ON)
Protection	Surge 4000V; ESD6000V; IP66
Material	Metal
Boundary Dimensions	358mm(D)x568mm(H)
Package Dimensions	565(L)485(W)750(H)mm
Gross Weight	21.7 Kg
Net Weight	14.8 Kg

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