



GE-PTZ 188/AEW-2.8-12mm/9-54mm

5MP, IP66, Full Color, AEW, PTZ Camera



Pro series



KEY FEATURES

- Dual PTZ design
- Smart IR, IR Range Up to 100 Meter
- Up to 5 MP (3072×1728@20fps)
- Optical Zoom of Speed Dome 6x, Digital Zoom 16x
- Optical Zoom of PTZ Bullet: 4x, Digital Zoom 16x
- Bulit-in Dual Mic & Speaker
- Bulit-in Electronic Compass
- IP66
- Support Blue & Red Flash Warning
- Support Video Structure
- Min. illumination Color: 0.0008Lux@F1.0 (PTZ-bullet)
- S+265/H.265/H.264/M-JPEG
- Support human/vehicle classification
- Plugin Free
- speed dome for detailed view
- 5MP varifocal PTZ-bullet for overall scenario and 5MP





SPECIFICATIONS

Image	
Max. Resolution	5.0MP (3072x1728)
Main Stream	PAL: 20fps (3072x1728), 25fps (2560x1440, 2304x1296, 1920x1080, 1280x720, 640x480, 704x576) NTSC: 20fps (3072x1728), 30fps (2560x1440, 2304x1296, 1920x1080, 1280x720, 640x480, 704x480)
Sub Stream	PAL: 25fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x480, 704x240, 640x360, 352x240)
Third Stream	PAL: 25fps (704x576, 704x288, 352x288) NTSC: 30fps (704x480, 704x240, 352x240)
BLC, HLC, AGC,3 DNR	Yes
WDR	True WDR
White Balance	Yes
Image Stabilization	Yes
Fog	Digital
Noise Reduction	2D/3D
ROI	7 Dynamic Areas for Both Main and Sub Stream, support 1 auto-tracking ROI
Picture Overlay	Yes
Privacy Mask	Yes
Smart Defog	Yes
Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
Flip	Yes
OSD	16x16, 24x24,32x32, 48x48, 64x64, 96x96, 128x128, adaptable size, letters such as Week, Date, Time, Total 5 Region
Pan &Tilt	
Pan Range	Panorama: 260° Detail: 360°
Pan Speed	Panorama: Pan Manual Speed: 0.1°~100°/s, Pan Preset Speed: 100°/s Detail: Pan Manual Speed: 0.1°~180°/s, Pan Preset Speed: 300°/s
Tilt Range	Panorama: 0°~30°: Detail: -3°~90° (Auto flip)
Tilt Speed	Panorama: Tilt Manual Speed: 0.1°~15°/s, Tilt Preset Speed: 15°/s Detail: Tilt Manual Speed: 0.1°~100°/s, Tilt Preset Speed: 150°/s
3D Position	Yes
Preset	Panorama: 256: Detail: 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 , Alarm Out
Power-off Memory	Yes
Preset Freezing	Yes
Preset Accuracy	±0.4°
Park Action	Yes



Camera	
Image Sensor	1/1.8"CMOS
Min. Illumination	Color:0.00008lux@ (F1.35, AGC ON), 0lux with IR
Shutter Time	1s~1/100000s
Day & Night	IR-cut filter with auto switch (ICR)
Signal System	PAL/NTSC
Lens	
Focal Length	Panorama: 2.8~12mm: Detail: 9~54mm
Optical Zoom	Panorama: 4x: Detail: 6x
Digital Zoom	Details: 16X
Zoom Speed	<3s
Aperture Range	Panorama: F1.36~F2.0: Detail: F1.35~F1.55
Iris Control	Auto
Field of View	Panorama: Horizontal: 84.8° (w)~49° (t), vertical: 49.3° (w)~27.6° (t) Detail: Horizontal: 42.3° (w)~32.1° (t), vertical: 24.3° (w)~18.4° (t)
Focus Control	Auto/Semi-auto/Manual
Close Focus Distance	1 m~1.5 m
Feature	
Alarm Trigger	Event Input, Event Output, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, Crowd, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal
Early Warning (EW)	Yes
Auto Tracking	Yes
Operating Mode	Face capture, intelligent monitoring, Structured optional,
Face Capture Performance	Detects up to 32 faces at the same scene
Face Exposure Brightness	Default 35, 1~100 brightness optional
Min. Face Pixel	Default 60, 26~2560 optional
Illuminator	
IR LEDs	6
IR Distance	Up to 100m
White LEDs	4, up to 30m:support white/blue/red light flash
IR Irradiation Angle	Adjustable by Zoom



Compression Standard

Video Compression	S+265/H.265/H.264/M-JPEG
Video Bit Rate	32Kbps~16Mbps
Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
Audio Sampling Rate	8KHz/32KHz/48KHz

Network

ANR	Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)
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), SDK, CGI, P2P
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 100M/1000M self-adaptive Ethernet port
Additional Interfaces	RS485
Built-in Speaker	2
On-board Storage	Built-in Micro SD card slot, up to 512 GB
Reset Button	Yes
Audio I/O	1/1,2Mic
Alarm I/O	3/2
GPS / BDS	Yes
Electrical Compass	Yes

General

Web Client Language	16 languages: English/Spanish/Korean/Chinese S/Chinese T/Italian/Turkish/Russian/Thai/French /Polish/Dutch/Hebrew/Arabic/Vietnamese/Ukrainian
Protection	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection
Operating Conditions	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH
Power Supply	AC24V±15%, DC24V±10%
Power Consumption	Max: 57W
Heater	Yes
Material	ADC 12
Boundary Dimensions	600mm(L)*490mm(W)*290mm(H)
Package Dimensions	191mm(L)*344mm(W)*350mm(H)
Gross Weight	11.05 Kg
Net Weight	7.2 Kg

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