



Features

Optics

- 33X Optical Zoom
- Starlight illumination
- Fifth-generation infrared technology, more than 150m (492ft) IR distance
- IR anti-reflection window to increase the infrared transmittance
- Optical glass window with higher light transmittance
- Smart IR
- EIS (Electronic Image Stabilization)

Compression

- Ultra 265, H.265, H.264, MJPEG
- Triple streams
- Customized OSD

Network

- ONVIF Conformance

Structure

- Intelligent temperature control technology
- More effective heat dissipation system
- 6KV surge protection designed for network interface
- IP66

Specification

Camera					
Sensor	1/2.8", 2.0 megapixel, progressive scan, CMOS				
Lens	4.5 ~ 148.5mm, AF automatic focusing and motorized zoom lens				
Digital Zoom	16				
Optical Zoom	33				
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
Angle of View (V)	4.5	69.8	27.9	14.0	7.0
Angle of View (O)	148.5	2304.3	921.7	460.9	230.4
Angle of View (H)	76.8° ~ 2.1°				

Angle of View (V)	38.4° ~ 1.2°
Angle of View (O)	94.46° ~ 2.48°
Shutter	Auto/Manual, shutter time: 1 ~ 1/100000s
Minimum Illumination	Colour: 0.001Lux (F1.5, AGC ON) 0Lux with IR
Iris	F1.5 ~ F4.0
Day/Night	IR-cut filter with auto switch (ICR)
Digital noise reduction	2D/3D DNR
S/N	>55 dB
IR Range	UP to 150m (492ft)
Defog	Digital Defog
WDR	120dB
Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG
H.264 code profile	Baseline profile, Main Profile, High Profile
Frame Rate	Main Stream: 2MP (1920*1080), Max 30fps; Sub Stream: 2MP (1920*1080), Max 30fps; Third Stream: D1 (720*576), Max 30fps
HLC	Supported
BLC	Supported

EIS	Supported
OSD	Up to 8 OSDs
Privacy Mask	Up to 24 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas
Smart	
General Function	Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication
Audio	
Audio Compression	G.711
Two-way Audio	Supported
Suppression	Supported
Sampling Rate	8KHZ
Storage	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, SSL, QoS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
Pan & Tilt	

Pan Range	360°	
Pan Speed	0.1°/s ~ 300°/s	
	Preset speed: 200°/s	
Tilt Range	-15° ~ 90° (auto reverse)	
Tilt Speed	0.1° ~ 80°/s	
	Preset speed: 80°/s	
Number of Presets	1024	
Patrol	Preset patrol, route patrol, recorded patrol	
Home Position	Supported	
Interface		
Audio I/O	1 Input: impedance 1k±10%; amplitude 2V [p-p]	
	1 Output: impedance 600; amplitude 2V [p-p]	
Alarm I/O	2/1	
Network	1 RJ45 10M/100M Base-TX Ethernet	
General		
Power		DC 12V±25%, PoE (PSE Required)
	Power consumption: 16 ~ 30W	
Dimensions (Ø x H)	220 × 369mm (8.7" x 14.5")	
Weight	3kg (6.6lb)	
Working Environment	-40°C ~ 65°C (-40°F ~ 149°F), Humidity: 95% RH (non-condensing)	

Ingress Protection	IP66
Reset Button	Supported

Accessories



GX-BK-PTZCM
Dome Pendant Mount



GX-BK-PLPTZA
PTZ Dome Indoor Pendant Mount



GX-BK-PR200
PTZ Dome Pendant Mount (200mm)



GX-BK-PR500
PTZ Dome Pendant Mount (500mm)



GX-BK-PTZWM
PTZ Dome Wall Mount



GX-BK-PTZWMLA
PTZ Dome Wall Mount



GX-BK-PPMB45A
PTZ Dome Gooseneck Bracket Mount



GX-BK-PTZJB12
12-inch Junction Box



GX-BK-UP06
Pole Mount Adapter



GX-BK-PTZCORNER
PTZ Dome Corner Mount



GX-BK-PTZPM
Pole Mount Adapter