

Camera	Image Sensor	[Panoramic channel]: 1/1.8" progressive scan CMOS, [PTZ channel]: 1/1.8" progressive scan CMOS
	Min. Illumination	[Panoramic channel] Color: 0.0005 Lux (F1.0, AGC ON), B/W: 0.0001 Lux (F1.0, AGC ON);
	Shutter Speed	1 s to 1/30000 s
	Slow Shutter	Yes
	Day & Night	IR cut filter
	Zoom	[PTZ channel] 40x optical, 16x digital
	Max. Resolution	4096 × 1800
Lens	Focus	Auto, semi-auto, manual, rapid focus
	Focal Length	[Panoramic channel] 2.8 mm; [PTZ channel] 6.0 to 240 mm
	Zoom Speed	[PTZ channel] Approx. 5.6 s
	FOV	Horizontal FOV 56.6° to 1.8°, vertical FOV 33.7° to 1.0°, diagonal FOV 63.4° to
	Aperture	Max. F1.0
Illuminator	Supplement Light	IR
	Supplement Light	Up to 250 m
	Smart Supplement	Yes
PTZ	Movement Range	360°
	Movement Range	-15° to 90° (auto flip)
	Pan Speed	Pan speed: configurable from 0.1° to 210°/s; preset speed: 240°/s
	Tilt Speed	Tilt speed: configurable from 0.1° to 150°/s, preset speed 200°/s
	Proportional Pan	[Panoramic channel]: no; [PTZ channel]: yes
	Presets	300
	Park Action	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama
	3D Positioning	Yes
	PTZ Status Display	Yes
	Preset Freezing	Yes
Scheduled Task	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output	
Video	Main Stream	[Panoramic channel]: 50Hz:25fps (4096×1800,3840×1680,2720×1192), 60Hz: 30fps (4096×1800,3840×1680,2720×1192); [PTZ channel]: 50Hz:25fps (2560x1440,1920×1080,1280×960,1280x720) 60Hz:30fps (2560x1440,1920x1080,1280x960,1280x720)
	Sub-Stream	[Panoramic channel]: 50Hz:25fps (704×320,512×232), 60Hz:30fps (704×320, 512×232); [PTZ channel]: 50Hz: 25fps(704×576,640×480,352×288); 60Hz:30fps(704×480,640×480,352×240);
	Third Stream	[Panoramic channel]: no [PTZ channel]: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
	Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG
	Network Storage	NAS (NFS, SMB/CIFS), ANR
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour	

Network	User/Host	Up to 32 users. 3 user levels: administrator, operator, and user
	Security	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter
	Web Browser	IE10-11, Chrome 57+, Firefox 52+, Safari 12+
Image	Day/Night Switch	Day, night, auto, scheduled-switch
	Image Enhancement	BLC, HLC, 3D DNR
	Wide Dynamic Range (WDR)	[Panoramic channel] no, [PTZ channel] 120 dB
	Defog	[Panoramic channel]: no; [PTZ channel]: optical defog
	Privacy Mask	Programmable polygon privacy masks (8 for panoramic channel, 24 for PTZ channel), mask color or mosaic configurable
	SNR	≥ 55 dB
Interface	Ethernet Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet port
	Fiber Optical	1 FC interface, built-in fiber module, 1000M, TX1310/RX1550 nm wavelength, single module fiber, up to 20 km transmission distance
	On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC cards, up to
	Alarm	7 alarm inputs, 2 alarm outputs
	Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K Ω ± 10%; 1 output (line out), line level, output impedance: 600 Ω
Event	Smart Event	Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, intrusion detection
	Smart Tracking	Manual tracking, auto-tracking, panorama tracking. Support patrol tracking among multiple detection scenes
	Alarm Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)
General	Power	36 VDC, max. 135 W (including max. 12 W for IR);Hi-POE, max. 75 W
	Operating Condition	-40°C to 70°C (-40°F to 158 °F). Humidity 90% or less (non-condensing)
	Wiper	No
	Material	ADC12
	Dimension	Ø 433.5 mm x 430.4 mm (Ø 17.07" x 16.94")
	Weight	Approx. 18 kg (39.68 lb.)