

IP

4K



FEATURES

- 8MP, 1/2.7" CMOS image sensor, low illuminance, high definition image Outputs max. 8MP (3840 × 2160)@15 fps, and supports 2688 × 1520 (2688 × 1520)@25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max IR distance: 40 m
ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, local alarm, voltage detection, audio detection
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 GB Micro SD card 12 V DC/PoE power supply
- IP67, IK10 protection

SPECIFICATIONS

Camera	
Image Sensor	1/2.7" CMOS
Max. Resolution	3840 (H) × 2160 (V)
ROM	128 MB
RAM	256 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s
Min. Illumination	0.008 Lux@F1.5
S/N Ratio	>56 dB
Illumination Distance	40 m (131.2 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (IR LED)
Pan/Tilt/Rotation Range	Pan: 0°-355° Tilt: 0°-67° Rotation: 0°-355°
Lens	
Lens Type	Motorized vari-focal
Mount Type	φ14
Focal Length	2.7 ~ 13.5 mm
Max. Aperture	F1.5
Field of View	Pan: 113°-31° Tilt: 58°-17° Diagonal: 138°-36°
Iris Type	Fixed
Close Focus Distance	0.8m-0.8m (2.62 ft-2.62 ft)
DORI Distance (Wide)	Detect: 85.3 m (279.9 ft) Observe: 34.1 m (111.9 ft) Recognize: 17 m (55.8 ft) Identify: 8.5 m (27.9 ft)
DORI Distance (Tele)	Detect: 280 m (918.6 ft) Observe: 112 m (367.5 ft) Recognize: 56 m (183.7 ft) Identify: 28 m (91.9 ft)

Smart Event	
IVS	Tripwire; intrusion
Video	
Video Compression	H.265; H.264; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/ Smart H.264+
Video Frame Rate (Main stream)	3840 × 2160 (1 fps-15 fps) 2688 × 1520 (1 fps-25/30 fps)
Video Frame Rate (Sub stream)	704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)
Stream Capability	2 streams
Resolution	3840 × 2160 (3840 × 2160); 3072 × 2048 (3072 × 2048); 3072 × 1728 (3072 × 1728); 2592 × 1944 (2592 × 1944); 2688 × 1520 (2688 × 1520); 3M (2048 × 1536); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps-8192 kbps H.265: 12 kbps-8192 kbps
Day/Night	Auto (ICR) / Color / B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto / natural / street lamp / outdoor / manual / regional custom
Gain Control	Auto / Manual
Noise Reduction	3D NR
Motion Detection	OFF / ON (4 areas, rectangular)
Region of Interest(RoI)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Audio Compression	G.711a; G.711Mu; G.726

Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage detection; audio detection; safety exception; local alarm
Network	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour
Interoperability	ONVIF(Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
User/Host	20
Storage	FTP; SFTP; Micro SD Card (support max. 256 GB); NAS
Browser	IE / Chrome / Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS; Android
Certification	
Certifications	CE-LVD: EN62368 ~ 1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950 ~ 1 CAN/CSA C22.2 No.60950 ~ 1-07
Port	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel In: 5mA 5V DC
Alarm Output	1 channel Out: 300mA 12V DC
Power	

Power Supply	12VDC / PoE (802.3af)
Power Consumption	<7.4 W
Environment	
Operating Conditions	-22°F (-30°C) to +140°F (60°C)/less than ≤ 95% RH
Storage Temperature	-40°F (-40°C) to +140°F (60°C)
Protection	IP67; IK10
Structure	
Casing	Metal
Dimensions	Φ4.80 inches (2.03 m) × 3.50 inches (8.89 cm)
Net Weight	1.1 lb (0.5 kg)
Gross Weight	1.4 lb (0.64 kg)

