

Features

- 4MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs max. 4MP (2688x1520)@30 fps
- H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR distance: 50 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, scene changing, audio abnormality detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Alarm: In, out; Audio: In, out; Supports max. 256 G Micro SD card
- 12V DC/POE power support
- IP67, IK10 protection
- SMD



Specification

Camera	
Image Sensor	1/2.7" 4Megapixel progressive CMOS
Effective Pixels	2688 (H) × 1520 (V)
ROM	128 MB
RAM	512 MB
Scanning System	Progressive

Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Min. Illumination	0.005 Lux@F1.6
IR Distance	50 m (164.0 ft)
IR On/Off Control	Auto/Manual
IR LEDs Number	3 (IR LEDs)
Pan/Tilt/Rotation Range	Horizontal: 0°–355°; vertical: 0°–65°; rotation: 0°–355°
Lens	
Lens Type	Fixed focal
Mount Type	M12
Focal Length	2.8 mm
Max. Aperture	F1.6
Field of View	2.8 mm: Horizontal:103°; vertical: 55°; diagonal: 122°
Iris Type	Fixed aperture
Close Focus Distance	0.9 m (3.0 ft)
DORI Distance	Detect 56m(183.7 ft), Observe 22.4m(73.5 ft), Recognize 11.2m(36.8 ft), Identify 5.6m(18.4 ft)
Professional, Intelligent	
Perimeter Protection	Tripwire; intrusion (Recognition of human and vehicle)
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
Video	
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG
Smart Codec	Yes
Video Frame Rate	Main stream (2688 × 1520@1–25/30 fps) sub stream (704 × 576@1–25/30 fps) third stream (1280 × 720@1–25/30 fps)
Stream Capability	3 streams
Resolution	4M (2688 × 1520); 3M (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: 3 Kbps–8192 Kbps H.265: 3 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 DNR

Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest(Roi)	Yes (4 areas)
Smart IR	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution.)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Audio Compression	G.711a; G.711Mu; G726; AAC
Network	
Network	RJ-45 (10/100 Base-T)
Protocol	IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMP
Interoperability	ONVIF(Profile S/Profile G);CGI;P2P;Milestone;Genetec
Scene Self-adaptation	Yes
User/Host	20 (Total bandwidth: 64 M)
Edge Storage	FTP; SFTP; Micro SD Card (support max. 256 G); Cloud; NAS
Browser	IE: IE8, IE9, IE11, Chrome, Firefox
Management Software	Smart PSS, DSS, DMSS
Mobile Phone	IOS; Android
Port	
Audio Input	1-channel (RCA port)
Audio Output	1-channel (RCA port)
Alarm Input	1 channel in: 5mA 3V-5V DC
Alarm Output	1 channel out: 300mA 12V DC
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	<7.3W
Environment	
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than95%
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Ingress Protection	IP67; IK10
Structure	
Casing	Metal
Dimensions	81 mm × 109.9 mm (3.2" × 4.3")
Net Weight	378 g (0.8 lb)

Gross Weight 523 g (1.2 lb)