



## Features

- > 8MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- > Outputs max. 8MP (3840 × 2160) @15 fps, and supports 2688×1520 @25/30 fps
- > H.265 codec, high compression rate, ultra-low bit rate
- > Built-in IR LED, max IR distance: 30 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, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- > Supports max. 256 GB Micro SD card, built-in MIC
- > 12V DC/PoE power support
- > IP67 protection

## Specification

Camera	
Image Sensor	1/2.7" 8Megapixel progressive CMOS
Effective Pixels	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	0.009 Lux@F2.0
IR Distance	30 m (98.43 ft)
IR On/Off Control	Auto/Manual

IR LEDs Number	2				
Pan/Tilt/Rotation Range	Pan: 0°-360° Tilt: 0°-78° Rotation: 0°-360°				
<b>Lens</b>					
Lens Type	Fixed-focal				
Mount Type	M12				
Focal Length	2.8 mm 3.6 mm				
Max. Aperture	F2.0 F2.0				
Field of View	2.8 mm: Pan 105° × Tilt 56° × Diagonal 125° 3.6 mm: Pan 87° × Tilt 47° × Diagonal 104°				
Iris Type	Fixed				
Close Focus Distance	2.8 mm: 1.0 m (3.3 ft) 3.6 mm: 1.9 m (6.2 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	74.7 m (245.1 ft)	29.9 m (98.1 ft)	14.9 m (48.9 ft)	7.5 m (24.6 ft)
	3.6 mm	106.7 m (350.1 ft)	42.7 m (140.1 ft)	21.3 m (69.6 ft)	10.7 m (35.1 ft)
<b>Smart event</b>					
General IVS Analytics	Tripwire; intrusion				
<b>Video</b>					
Video Compression	H.265; H.264; H.264B; MJPEG				
Smart Codec	Yes				
Video Frame Rate	Main stream: 3840 × 2160 (1 fps-15 fps) 2688 × 1520 (1 fps-25/30 fps) 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 DNR				
Motion Detection	OFF/ON (4 areas, rectangular)				
Region of Interest(Rol)	Yes (4 areas)				
Smart IR	Yes				
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower.)				
Mirror	Yes				
Privacy Masking	4 areas				
<b>Audio</b>					
Built-in MIC	Yes				
Audio Compression	G.711A; G.711Mu; G.726; AAC				
<b>Network</b>					
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; Bonjour				
Interoperability	ONVIF(Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec				
User/Host	20				
Edge Storage	Cloud; FTP; SFTP; Micro SD Card (support max. 256 GB); NAS				
Browser	IE Chrome Firefox				
Management Software	Smart PSS; DSS; DMSS				
Mobile Phone	IOS; Android				
<b>Certification</b>					
Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B				
<b>Power</b>					

Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 7.2W
<b>Environment</b>	
Operating Conditions	-40°C to +55°C (-40°F to +131°F)/less than 95% RH
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection	IP67
<b>Structure</b>	
Casing	Metal
Dimensions	100.9 mm × 109.9 mm (3.97" × 4.33")
Net Weight	0.48 kg (1.1 lb)
Gross Weight	0.65 kg (1.4 lb)