

8MP Smart Dual Light Lite AI Fixed-Focal IPC



- 8MP 1/2.7" CMOS Sensor
- Support H.264+, H.265+
- IR Light: 30 m, White Light: 30m
- Support Perimeter Protection, SMD
- 2.8mm fixed lens (3.6mm/6mm optional)
- Built-in Mic(optional)
- 12 VDC/PoE power supply
- IP67, IK10 protection

Camera	
Image Sensor	1/2.7" CMOS
Max. Resolution	8MP,3840 (H) × 2160 (V)
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.007Lux(Color); 0.0007Lux (B/W); 0Lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	IR Light: 30 m, White Light: 30m
Illuminator Control	Auto; Manual
Lens	
Lens Type	Fixed-Focal
Focal Length	2.8mm/3.6mm
Max. Aperture	F1.6
Field of View	2.8 mm: Horizontal:107°; vertical: 56°; diagonal: 127° 3.6 mm: Horizontal:84°; vertical: 47°; diagonal: 97°
Iris Type	Auto
Intelligence	
Smart Motion Detection	Yes
Perimeter Protection	Intrusion, Tripwire (Support the classification of Vehicle, Human and Non-Motor)
AI Search	Work together with NVR
Video	
Compression	H.264H; H.264M; H.264B; H.265
Smart Compression	H.264H+; H.264M+; H.264B+; H.265+
Video Frame Rate	Main Stream: 8MP (1 fps–20 fps)
	Sub Stream: D1 (1 fps–25/30 fps)
	Third Stream: 720P (1 fps–25/30 fps)
Stream Capability	3 Streams
Bit Rate Control	CBR/VBR

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Video Bit Rate	H.264: 3 Kbps–20480 Kbps
	H.265: 3 Kbps–20480 Kbps
Day/Night	Color/B/W
BLC	Yes
HLC	Yes
WDR	WDR
White Balance	Yes
Gain Control	Auto/Manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 Areas, rectangular)
Image Rotation	180°
Mirror	Yes
Privacy Masking	4 Areas
Audio	
Built-in Mic	NA (optional)
Built-in Speaker	NA
Two-way talk	NA
Audio Compression	G.711a; G.711Mu; G.726; G.726ASF
Alarm	
Arming/Disarming	NA
Sound Alarm	NA
Light Alarm	NA
Alarm Event	Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error
Network	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP
Interoperability	ONVIF; CGI;P2P(Optional)
User/Host	20 (Total bandwidth: 80 M)
Storage	FTP; Micro SD card (Optional)
Browser	IE: IE8 and later; Chrome; Firefox
Management Software	PC Software(SVMS), APP
Mobile Client	IOS; Android
Port	
Audio Input	NA
Audio Output	NA
Alarm Input	NA
Alarm Output	NA

This datasheet is subject to change without prior notice. Please contact us to get the latest datasheet.

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Power	
Power Supply	12V DC ($\pm 30\%$)/PoE (802.3af)
Power Consumption	Basic: 2.1 W; Max:4.2W
Environment	
Operating Conditions	-30°C to $+60^{\circ}\text{C}$ (-22°F to $+140^{\circ}\text{F}$)/Less than 95% RH
Storage Conditions	-40°C to $+60^{\circ}\text{C}$ (-40°F to $+140^{\circ}\text{F}$)
Protection Grade	IP67, IK10
Structure	
Casing	Metal
Dimensions	82 mm \times $\Phi 113$ mm
Net Weight	370g

Camera Structure and Dimensions

