

8MP Smart Hybrid Light Active Deterrence Lite AI Fixed-Focal IPC



8MP 1/2.7" CMOS Sensor
 Support H.264+, H.265+
 IR distance 40m, Warm light distance 40m
 Perimeter Protection, SMD
 Support Built-in Mic & Speaker
 Supports max. 256 G Micro SD card
 2.8mm fixed lens (3.6mm/6mm optional)
 12 VDC/PoE power supply
 IP67 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 distance 40m, Warm light distance 40m
Illuminator Control	Auto; Manual
Lens	
Lens Type	Fixed-Focal
Focal Length	2.8mm/3.6mm/6.0mm
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° 6 mm: Horizontal: 55°; Vertical: 29°; Diagonal: 63°
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

Lite AI Series | IPC-EF2849M-AS

Bit Rate Control	CBR/VBR
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	120 dB
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	Yes
Built-in Speaker	NA(optional)
Two-way talk	NA(optional)
Audio Compression	G.711a; G.711Mu; G.726; G.726ASF
Alarm	
Arming/Disarming	NA
Sound Alarm	NA
Light Alarm	Yes
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
User/Host	20 (Total bandwidth: 80 M)
Storage	FTP; Micro SD card (support max. 256 G/FAT32)
BrowserK38:062	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

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

Lite AI Series
IPC-EF2849M-AS

Alarm Output	NA
Power	
Power Supply	12V DC (±30%)/PoE (802.3af)
Power Consumption	Basic: 2.5 W; Max: 5.2W
Environment	
Operating Conditions	−30°C to +60°C (−22°F to +140°F)/Less than 95% RH
Storage Conditions	−40°C to +60°C (−40°F to +140°F)
Protection Grade	IP67
Structure	
Casing	Metal
Dimensions	110 mm × Φ122 mm
Net Weight	630g

Camera Structure and Dimensions

