

8M Smart Hybrid Light Active Deterrence Dark Killer Pro AI Fixed-Focal IPC with R&B LED



- 8MP 1/1.8" CMOS Sensor
- Support H.264+, H.265+
- IR distance 40m, Warm light distance 40m
- Perimeter Protection, Face Detection, SMD, Smart Object Detection, People Counting
- Support Built-in Mic & Speaker
- Support Red and Blue LED Alarm, Sound Alarm, Arm and Disarm
- 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	1/1.8" 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	0.0008 lux@F1.6(F1.0 optional) (Color, 30 IRE),0.0004 lux@F1.6(F1.0 optional) (B/W, 30 IRE),0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	IR distance 40m, Warm light distance 40m; Red and Blue light
Illuminator Control	Auto; Manual
Lens	
Lens Type	Fixed-Focal
Focal Length	2.8mm/3.6mm/6.0mm
Max. Aperture	F1.6(F1.0 optional)
Intelligence	
Smart Motion Detection	Yes
Perimeter Protection	Intrusion, tripwire; loitering detection; people gathering; Parking detection
Face Detection	Face detection; track; snapshot; snapshot optimization;
Object Detection	Abandoned object; Missing object
People Counting	People counting in area; queue detection
Heat Map	Support
Video Metadata	NA
AI Search	Work together with NVR
Video	

Pro AI Series | IPC-EF3829M-AS-PV

Compression	H.264H; H.264M; H.264B; H.265 MJPEG (Customization)
Smart Compression	H.264H+; H.264M+; H.264B+; H.265+
Video Frame Rate	Main Stream: 8MP (1 fps–25 fps)
	Sub Stream: D1 (1 fps–25/30 fps)
	Third stream: 1080P(1–25/30 fps)
Stream Capability	3 Streams
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: up to 16384 kbps;
	H.265: up to 16384 kbps
Day/Night	Color/B/W
BLC	Yes
HLC	Yes
WDR	140 dB
White Balance	Yes
Gain Control	Auto/Manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 Areas, rectangular)
Image Rotation	180°
Mirror	Yes
Audio	
Built-in Mic	Yes
Built-in Speaker	Yes
Audio Compression	G.711a; G.711Mu; G.726; G.726ASF
Alarm	
Arming/Disarming	Yes
Sound Alarm	Yes
Light Alarm	Red and Blue LED
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	16 (Total bandwidth: 80 M)
Storage	FTP; Micro SD card (support max. 256 G/FAT32)
Browser	IE: IE8 and later, Chrome, Firefox, Edge
Management Software	PC Software(SVMS), APP
Mobile Client	IOS; Android

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

Port	
Audio Input	NA(1 channel optional)
Audio Output	NA(1 channel optional)
Alarm Input	NA(1 channel optional)
Alarm Output	NA(1 channel optional)
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

