

## 8MP Smart Hybrid Light Active Deterrence Dark Killer Pro AI Vari-Focal IPC



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 Warm LED Alarm, Sound Alarm, Arm and Disarm  
 Supports max. 256 G Micro SD card  
 2.8mm-12mm zoom lens  
 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 (Color, 30 IRE), 0.0004 lux@F1.6 (B/W, 30 IRE), 0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	IR distance 40m, Warm light distance 40m
Illuminator Control	Auto; Manual
Lens	
Lens Type	Motorized Vari-Focal
Focal Length	2.8mm-12mm
Max. Aperture	F1.6
Iris Type	Auto
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	
Compression	H.264H; H.264M; H.264B; H.265 MJPEG (Customization)
Smart Compression	H.264H+; H.264M+; H.264B+; H.265+

## Pro AI Series | IPC-EF3829M-ZAS

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 Color Areas)
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	White LED Alarm
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
Port	
Audio Input	NA(1 channel optional)

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

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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: 4 W ;Max. 14W
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	675g

Camera Structure and Dimensions

