

4MP Smart Dual Light Active Deterrence Dark Killer Pro AI Vari-Focal IPC with R&B LED



- 4MP 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
- 2.8 mm–12 mm zoom lens
- 12 VDC/PoE power supply
- IP67 protection

Camera	
Image Sensor	1/1.8" CMOS
Max. Resolution	4MP, 2688 (H) × 1520 (V)
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.0006 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, Red and Blue light
Illuminator Control	Auto; Manual
Lens	
Lens Type	Motorized Vari-Focal
Focal Length	2.8mm-12mm
Max. Aperture	F1.6
Intelligence	
Smart Motion Detection	Yes
Perimeter Protection	Intrusion, Tripwire (Support the classification of Vehicle, Human and Non-Motor)
Face Detection	Yes
People Counting	Yes
Heat Map	Yes
Video Metadata	NA
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: 4MP (1 fps–25/30 fps)
	Sub Stream: D1 (1 fps–25/30 fps)

Pro AI Series | IPC-EF3419M-ZAS-PV

	Third Stream: 720P (1 fps–25/30 fps)
Stream Capability	3 Streams
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 56 Kbps–8192 Kbps
	H.265: 56 Kbps–8192 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
Privacy Masking	4 Areas
Audio	
Built-in Mic	Yes
Built-in Speaker	Yes
Two-way talk	Yes
Audio Compression	G.711a; G.711Mu; G.726; G.726ASF
Alarm	
Arming/Disarming	Yes
Sound Alarm	Yes
Light Alarm	Red and Blue LED light
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)
Browser	IE: IE8 and later; Chrome; Firefox
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.

Pro AI Series | IPC-EF3419M-ZAS-PV

Audio Output	NA(1 channel optional)
Alarm Input	NA(1 channel optional)
Alarm Output	NA(1 channel optional)
Power	
Power Supply	12V DC ($\pm 30\%$)/PoE (802.3af)
Power Consumption	Basic: 2.5 W; Max: 6.2W
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
Structure	
Casing	Metal
Dimensions	110 mm \times $\Phi 122$ mm
Net Weight	640g

Camera Structure and Dimensions

