

## 4MP Smart Hybrid Light Active Deterrence Dark Killer Ultra AI Vari-Focal IPC



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, Video Metadata, Parking Space Detection  
 Support Built-in Mic & Speaker  
 Support White Light Alarm, Sound Alarm, Arm and Disarm  
 Supports max. 256 G Micro SD card  
 2.8 mm - 12mm 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
Illuminator Control	Auto; Manual
Lens	
Lens Type	Motorized Vari-Focal
Focal Length	2.8 mm - 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;
Parking Space Detection	Yes
Object Detection	Abandoned Object; Missing Object
People Counting	People Counting in area, exporting report (day/week/month)
Video Metadata	Motor Vehicle, Non-motor vehicle, Face, Human Body Detection; Info Collecting Motor Vehicle Attributes; Non-motor Vehicle Attributes; Human Body Attributes; Face Attributes;
Heat Map	Support

## Ultra AI Series | IPC-EF5419M-ZAS

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+
Video Frame Rate	Main stream:4MP@(1–25/30 fps)
	Sub stream: D1@(1–25/30 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
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	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)

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

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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	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel
Alarm Output	1 channel
Power	
Power Supply	12V DC ( $\pm 30\%$ )/PoE (802.3af)
Power Consumption	Basic: 2.5 W; Max: 6.2W
Environment	
Operating Conditions	$-30^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ ( $-22^{\circ}\text{F}$ to $+140^{\circ}\text{F}$ )/Less than 95% RH
Storage Conditions	$-40^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ ( $-40^{\circ}\text{F}$ 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

