Pro AI Series | IPC-EF3549M-AS-PV

5MP Smart Hybrid Light Active Deterrence Pro AI Fixed-Focal IPC with R&B LED

- 5MP 1/2.7" 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 optional)
- 12 VDC/PoE power supply
- IP67 protection

Camera	
Image Sensor	1/2.7" CMOS
Max. Resolution	5MP, 2880 (H) × 1620 (V)
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.001Lux(Illuminator off); 0Lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	IR distance 40m, Warm light distance 40 m, Red and Blue light
Illuminator Control	Auto; Manual

Lens	
Lens Type	Fixed-Focal
Focal Length	2.8mm/3.6mm
Max. Aperture	F1.6
Field of View	2.8mm Horizontal: 111°,Vertical:59°,Diagonal:134° 3.6mm Horizontal: 90°,Vertical:48°,Diagonal: 108°
Iris Type	Auto

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

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

Smart Compression	H.264H+; H.264M+; H.264B+; H.265+
Video Frame Rate	Main Stream: 5MP (1 fps–25/30 fps)
	Sub Stream: D1 (1 fps–25/30 fps)
	Third Stream: 720P (1 fps–25/30 fps)
Stream Capability	3 Streams
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	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

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Mobile Client	IOS; Android
Port	
Audio Input	NA
Audio Output	NA
Alarm Input	NA
Alarm Output	NA
Power	
Power Supply	12V DC (±30%)/PoE (802.3af)
Power Consumption	Basic: 2.8 W; Max. 5.5W
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

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