

IPC-HFW5442EP-ZE-2712-S3

- 4-megapixel IP video camera designed for installation in external security systems
- Pixels: 2688 × 1520
- Video compression:H. 265; H. 264; H. 264H; H. 264B; MJPEG; BLC; HLC; WDR; 3D NR
- IR=60 m
- Motorized variofocal lens
- F=2.7 mm-12 mm
- IP67

Type	IP
Megapixel	4 MP
Objective	Motorized
Focus	2.7-12 mm
Lighting	IR
Lighting distance	60 m
Protection	IP67
Material	Plastic



Detailed

Model	IPC-HFW5442EP-ZE
Camera	
The matrix	1/1.8" CMOS
Effective pixels	2688 × 1520
ROM	128 MB
RAM	1 GB
Scanning system	Progressive

Electronic shutter speed	Auto / Manual 1 / 3 s - 1 / 100,000 s				
Mines. lighting	0.003 Lux at F1. 8 (Color, 30 IRE) 0.0003 Lux at F1. 8 (B / W, 30 IRE) 0 Lux (IR On)				
Signal-To-Noise Ratio	>56 dB				
IR distance	60 m (196.85 ft)				
IR Control On / Off	Auto				
IR LEDs	4				
Pan / Tilt / Rotate Range	Pan:0°-360° Tilt: 0° - 90° Rotation:0° - 360°				
Lens					
Lens Type	Motorized variofocal				
Focal length	2.7 mm-12 mm				
Max. aperture	F1.8				
Viewing angle	Horizontal:114° - 47° Vertical: 62° - 26° Diagonal: 136° - 56°				
IR Type	Auto				
Closed focal length	1.2 m (3.94 ft)				
DOPE Distance	Lens	Detection	Notification	Speech recognition	Identification
	W	57.5 m (188.65 ft)	23.0 m (75.46 ft)	11.5 m (37.73 ft)	5.7 m (18.70 ft)
	T	130.7 m (428.81 ft)	52.3 m (171.59 ft)	26.1 m (85.63 ft)	13.1 m (42.98 ft)
Smart Events					
IVS	Abandoned / Lost items				
Heat map	There are				
Professional, Intellectual properties					

IVS (Perimeter Protection)	Intrusion, Stretch, Fast Movement (three functions support classification and accurate detection of vehicles and people); Slow motion detection, People gathering, and Parking detection
SMD 3.0	Fewer false positives, greater detection distance
Face detection	Face recognition; Tracking; Snapshot; Image optimization; Uploading the optimal face image; Face enhancement; Face Exposure; Face attribute highlighting, Including 6 attributes (gender, age, glasses, facial expression, mask and beard) and 8 expressions (angry, sad, disgusted, scared, surprised, calm, happy, confused); A face snapshot set as a face or one-inch photo; Snapshot strategies (real-time snapshot, quality priority, and optimization snapshot); Face angle filter; Optimization time setting
Counting people	Extended counting of people and counting people in the area; Generating and exporting a report (day / month / year); Queue management; You can set 4 rules for tripwire, counting people in the area and managing queues.
Smart Search	Works together with Smart NVR to perform accurate intelligent search, event extraction, and merge them with event videos.
Video	
Video compression	H. 265; H. 264; H. 264H; H. 264B; MJPEG (Supported only by an additional stream)
Smart Codec	Smart H.265+; Smart H.264+
AI coding	AI H.265; AI H.264
Video frame rate	Main stream:2688 × 1520 (1 fps - 25 / 30 fps) Additional stream:D1 (1 fps - 50 / 60 fps) Third stream: 1080p (1 fps - 50 / 60 fps) * The above values are the maximum frame rates of each stream; for multiple streams, the values will depend on the total encoding capacity.
Streaming capabilities	3 streams
Permission	2688 × 1520; 2304 × 1296; 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576 / 704 × 480); VGA (640 × 480); CIF (352 × 288 / 352 × 240)
Data transfer rate monitoring	CBR / VBR
Bit rate	H.264:32 kbps-8192 kbps H.265:32 kbps-8192 kbps
Day / Night	Auto (IR) / Color / B / W
BLC	There are
HLC	There are
WDR	140 dB

Scene Self-adaptation (SSA)	There are
White Balance	Auto / Natural / Street Lamp / Outdoor activities / Manually / Regionally
Gain control	Auto / Manual
Noise reduction	3D NR
Motion Detection	Off / On (4 Zones, Rectangle)
Area of Interest (RoI)	Yes (4 Zones)
Image stabilization	Electronic Image Stabilization (EIS)
Smart Lighting	There are
Prevent fogging	There are
Rotate the frame	0° / 90° / 180° / 270°
Display	There are
Privacy Mask	8 Zones
Audio	
Audio compression	PCM; G.711a; G.711Mu; G.726; G.723
Anxiety	No SD Card; SD card is full; SD Card error; Network Outage; IP Conflict; Illegal Access; Motion Detection; Video Violation; Defocus Detection; Stretching; Intrusion; Fast Movement; Abandoned Object; Missing Object; Loitering detection; Gathering People; Parking Detection; Scene Change; Error input detection; Voltage detection; Face detection; Counting people in the area; Stay detection; Counting people; Number of people error detection; Queue management; Intensity change
Network Port	RJ-45 (10/100 Base-T Upgrade)
SDK and API	There are
Cyber Security	Video encryption; Firmware encryption; Configuration Encryption; Digest; WSSE; Account Lockout; Security Logs; IP / MAC Filtering; X. 509 Certificate Generation and Import; System Log; HTTPS; 802.1 x; Trusted Download; Trusted Execution; Trusted Update
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Многоадресная рассылка; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; Bonjour
Co-ownership	ONVIF (Profile S / Profile G / Profile T); Computer Graphics; P2P; Milestone
User / Host	20 (Total Bandwidth: 88 Mb)

Keeping	FTP; SFTP; Micro SD card (Support max. 256 GB); NAS
Browser	IE:IE8 and higher Chrome Firefox
Management software	Smart PSS, DSS, DMSS
Smartphones	iOS; Android
Ports	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	2 channels input current:5 mA 3 - 5 VDC
Alarm Output	1 channel output:300 mA 12 VDC
Certificates	
Certificates	CE-LVD:EN 62368-1 CE-EMC:Electromagnetic Compatibility Directive 2014/30 / EU CSA C22.2 No. 60950-1-07
Protection	
Degree of protection	IP67; IK10
Environment	
Operating temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating humidity	≤95 %
Electrical properties	
Power supply	12 VDC (±30%); PoE (802.3af); ePoE
Power consumption	Basic information:3 W (DC12V); 3.7 W (PoE) Max. (max. Stream + IR LED + Focus): 9.9 W (DC12V); 10.9 W (PoE)
General information	
Body	Metal+Plastic
Mounting type	φ14

Colour	White
Sizes	273.2 mm × 95 mm × 95 mm (10.76" × 3.74" × 3.74")
Net Weight	1,110 g (2.45 lb)
Gross Weight	1,510 g (3.33 lb)

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