IPC-HFW5442EP-ASE-0280B-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
- Built-in Microphone
- IR=50 m
- F=2.8 mm
- Fixed lens
- IP67

Növ	IP
Megapixel	4 MP
Obyektiv	Sabit
Fokus	2.8
İşıqlandırma	İR
İşıqlandırma məsafəsi	50 m
Qoruma	IP67
Material	Metal

Ətraflı

Model	IPC-HFW5442EP-ASE-0280B-S3
Camera	
The matrix	1/1.8" CMOS
Effective pixels	2688 × 1520
ROM	4 GB
RAM	1 GB
Scanning system	Progressive
Electronic shutter speed	Auto / Manual 1 / 3 s – 1 / 100,000 s

Mines. lighting	0.0007 Lux at F1. 6 (Color, 30IRE) 0.0004 Lux at F1. 6 (B / W, 30IRE) 0 Lux (IR on)
Signal-To-Noise Ratio	>56 dB
IR distance	50 m (164.04 ft)
IR Control On / Off	Auto / Manual
IR LEDs	1
Angle adjustment	Pan:0° - 360° Tilt: 0° - 90° Rotation:0° - 360°

Lens

Lens Type	Fixed
Mounting type	M12
Focal length	2.8 mm
Max. aperture	F1.6
Viewing angle	Horizontally:112°; Vertical:58°; Diagonal:139°
Aperture Control	Fixed value
Closed focal length	1.3 m (4.27 ft)

DOPE Distance	Lens	Detection	Notification	Speech recognition	Identification
	2.8 mm	61.5 m (201.77 ft)	24.6 m (80.71 ft)	12.3 m (40.35 ft)	6.2 m (20.34 ft)

Intellectual properties

IVS (Perimeter Protection)	Intrusion, stretch, fast movement (three functions support classification and accurate detection of vehicles and people); Deceleration detection, people gathering, and parking detection
Smart Object Detection	Smart abandoned object; Smart Missing object
SMD 3.0	Fewer false positives, greater detection distance
AI SSA	There are
Face detection	Face recognition; Tracking; Snapshot; Image optimization; Uploading the optimal

	face snapshot; Face enhancement; Face Exposure; Extracting face attributes, including 6 attributes and 8 expressions; Face snapshot set as a face, One-inch photo, or custom; Snapshot strategies (real-time snapshot, quality priority, and optimization snapshot); Face angle filter; Optimization time setting.
Counting people	Extended user count, generating and exporting a report (day / week / month / year); Counting people in the zone and managing queues, creating and exporting a report (day / week / month); You can set 4 rules for stretching, counting people in the zone and managing the queue.
Heat map	There are
Video Metadata	Vehicle, non-vehicle, face, human body detection; tracking; snapshot; image optimization; optimal loading of a face image. Vehicle Attributes: car type, car color, car logo, and other attributes: seat belt, smoking, call.Attributes of a non-transport vehicle:type, color, number of people, top type and color, headdress. Attributes of the human body: gender, type and color of top/bottom, bag, hat and umbrella. Face attributes: gender, age, facial expression, glasses, mask, and beard
Smart Search	Works together with Smart NVR to perform accurate intelligent search, extract events, and combine them with event videos.
Intelligent audio detection	There are
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 (1-25/30 fps) Additional stream:D1 (1-25 / 30 fps) Third stream:1080p (1-25/30 fps) Fourth stream:720p (1-25 / 30 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	4 threads
Permission	4M (2688 × 1520); 3.6M (2560 × 1440); 3M (2048 × 1535); 3M (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
Video Transfer rate	H. 264:32-16 384 kbps H. 265: 12 kbps-11008 kbps
Day / Night	Auto (IR) / Color / B / W
BLC	There are

HLC	There are
WDR	140dB
Scene Self-adaptation (SSA)	There are
White Balance	Auto; Natural Light; Street Lamp; Outdoor; Manual; Regional
Gain control	Auto
Noise reduction	3D NR
Motion Detection	Off / On(4 Zones, Rectangle)
Area of Interest (RoI)	Yes (4 Zones)
Smart Lighting	There are
Prevent fogging	There are
Rotate the frame	0° / 90° / 180° / 270° (Support 90°/ 270° with 4M (2688 × 1520) resolution and below)
Display	There are
Privacy Mask	8 zones
Audio	
Built-in microphone	There are
Audio compression	G.711a; G.711Mu; PCM; G.726; G.723
Anxiety	
Disturbing events	No SD Card; SD card is full; SD card error; Network Outage; IP Conflict; Illegal Access; Motion Detection; Video Violation; Stretching; Intrusion; Fast Movement; Abandoned Object; Lost Object; Slow Down detection; Gathering People; Parking detection; Scene Change; Sound Detection; Motion Detection voltage detection; External alarm; Face detection; SMD; Counting people in the area; Stay detection; Counting people; Number of people error detection; Number of people in line alarm; Queue waiting time alarm; Safety exception
Network	
Network Port	RJ-45 (10/100-T expansion base)
SDK and API	There are
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; P2P

Compatibility	ONVIF (Profile S / Profile G / Profile T); CGI
User / Host	20 (Total throughput:80 Mb)
Keeping	FTP; SFTP; Micro SD card (Support max. 512 GB); NAS
Browser	IE:IE 9 and later versions Chrome:Chrome 102 and later. Firefox:Firefox 88 and later
Management software	SmartPSS Lite; DSS; DMSS
Smartphones	iOS; Android
Cyber Security	Configuration Encryption; Reliable Execution; Digest; Security Logs; WSSE; Account Lockout; System Log; Video Encryption; 802.1 x; IP/MAC Filtering;HTTPS; Reliable Update; Reliable Download; Firmware Encryption; X. 509 Certificate Creation and Import

Ports

Audio Input	1 channel (RCA Port)
Audio Output	1 channel (RCA Port)
Alarm Input	1 vx.:wet contact, 5 mA 3-5V DC
Alarm Output	1 output.:wet contact, 300 mA 12 vdc

Certificates

Certificates	CE-LVD:EN62368-1 CE-EMC:Electromagnetic Compatibility Directive 2014/30 / EU CSA C22. 2 No. 62368-1-14

Protection

Degree of protection	IP67

Environment

Operating temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating humidity	≤95 %
Storage temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Storage humidity	10-95 % Rh, Non-condensing

Electrical properties	
Power supply	12 VDC / PoE (802.3af) / ePoE
Power consumption	Basic information:4W (DC12V); 5.8 W (PoE) Max. (H. 265+ WDR+ Intelligence incl.+IR on): 6.2 W (DC12V); 8.3 W (PoE)
General information	
Body	Metal
Colour	White
Sizes	192.7 mm × 70.5 mm × 66.4 mm (7.59" × 2.78" × 2.61")
Net Weight	590 g (1.30 lb)
Gross Weight	780 g (1.72 lb)