

IPC-HFW2449TP-AS-IL-0360B

- 4-megapixel IP video kamera designed for installation in external security systems
- Pixels: 2688 × 1520
- Video compression:H. 265; H. 264; H. 264H; H. 264B; MJPEG (Supported only by an additional stream); BLC; HLC; WDR; 3D NR
- Lighting distance:60m; 50m (Warm light)
- Fixed lens
- F=3.6 mm
- IP67

Type	IP
Megapixel	4 MP
Objective	Motionless
Focus	3.6 mm
Lighting	IR
Lighting distance	60 m
Protection	IP67
Material	Metal



Model	IPC-HFW2449TP-AS-IL-0360B
Camera	
The matrix	1/2.9" CMOS
Effective pixels	2688 × 1520
ROM	128 MB
RAM	128 MB
Scanning system	Progressive

Electronic shutter speed		Auto / Manual 1 / 3 s - 1 / 100,000 s			
Mines. lighting		0.006 Lux at F1. 6 (Color, 30IRE) 0.0006 Lux at F1. 6(B / W, 30IRE) 0 Lux (IR on)			
Signal-To-Noise Ratio		>56 dB			
Lighting distance		Up to 60 m (195.85 ft) (IR) Up to 50 m (164.04 ft) (Warm light)			
Lighting Control On / Off		Auto / Manual			
Number of LEDs		2 (IR LED); 2 (Warm light)			
Pan / Tilt / Rotate Range		Pan:0° - 360° Tilt: 0° - 90° Rotation:0° - 360°			
Lens					
Lens Type		Fixed			
Mounting type		M12			
Focal length		3.6 mm			
Max. aperture		F1.6			
Viewing angle		Horizontal:84°; Vertical: 42°; Diagonal:101°			
Aperture Control		1.7 m (5.58 ft)			
DOPE Distance	Lens	Detection	Notification	Speech recognition	Identification
	3.6 mm	85.4 m (208.18 ft)	34.2 m (112.20 ft)	17.1 m (56.10 ft)	8.5 m (27.89 ft)
Intellectual properties					
IVS (Perimeter Protection)		Intrusion, Tripwire (Two functions support classification and accurate detection of vehicle and person)			
Smart Search		Works together with Smart NVR to perform more accurate intelligent search, extract events, and combine 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+
Video Frame Rate	Main stream:2688 × 1520 (1-20 fps) / 2560 × 1440 (1-25/30 fps) Additional stream: 704 × 576 *The above values are the maximum frame rates of each stream; for multiple streams, the values will depend on the total encoding power.(1-25 fps) / 704 × 480 (1-30 fps)
Streaming capabilities	2 streams
Permission	4M (2688 × 1520); 4M (2560 × 1440); 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 kbps-6144 kbps H.265:12 kbps-6144 kbps
Day / Night	Auto (IR) / Color / B / W
BLC	There are
HLC	There are
WDR	120 dB
White Balance	Auto / Natural Light / 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)
Smart Lighting	There are
Rotate the frame	0° / 90° / 180° / 270° (Support 90° / 270° with 2688 × 1520 resolution and lower)
Display	There are
Privacy Mask	4 Zones
Audio	
Built-in microphone	There are
Audio compression	G.711a; G.711Mu; G.726; PCM

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; Sound detection; Voltage detection; SMD; Security exception; External alarm
Network	
Network Port	RJ-45 (10 / 100 Base-T)
SDK and API	There are
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; NTP; Многоадресная рассылка; ICMP; IGMP; P2P
Compatibility	ONVIF (Profile S / Profile T / Profile G); CGI
User / Host	6 (Total Bandwidth:36 Mb)
Keeping	FTP; SFTP; Micro SD card (Support max. 256 GB)
Management software	SmartPSS Lite; DSS; DMSS
Browser	IE; Chrome; Firefox
Smartphones	iOS; Android
Cyber Security	Configuration encryption; Trusted Execution; Digest; Security Logs; WSSE; Account lockout; System log; video encryption; 802.1 x; IP/MAC filtering; HTTPS; trusted update; trusted download; creating and importing X. 509 certification
Port	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 vx channel:5 mA 3-5V DC
Alarm Output	1 channel output:300 mA, 12 VDC
Certificates	
Certificates	CE-LVD:EN62368-1 CE-EMC:Electromagnetic Compatibility Directive 2014/30 / EU FCC:47 CFR FCC, Part 15, Subsection B UL/CUL: UL62368-1 & CAN/CSA C22. 2 No. 62368-1-14
Protection	

Degree of protection	IP67; IK10 (Optional)
Corrosion protection level	Low
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	≤95 %
Electrical properties	
Power supply	12 VDC / PoE (802.3af)
Power consumption	Basic information:2 W (DC12V); 2.6 W (PoE) Max. (Intelligent mode)265+ on + WDR + Backlight on): 6.1 W (DC12V); 7.2 W (PoE)
General information	
Housing material	Metal
Colour	White
Sizes	238.5 mm × 90.7 mm × 90.7 mm (9.39" × 3.57" × 3.57")
Net Weight	0.72 kg (1.59 lb)
Gross Weight	0.95 kg (2.09 lb)