

IPC-HFW2549S-S-IL

Camera IPC-HFW2549SP-S-IL-0280B 5MP

- 5-MP 1/2.7" CMOS image sensor, low luminance, and high definition image
- Outputs max. 5 MP (2960 × 1668) @20 fps, and supports 2688×1520 (2688 × 1520) @25/30 fps camera
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in warm light and IR LED, the max. illumination distance is 30 m and the max. warm light distance is 30 m;
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict illegal access, and voltage detection
- Supports max. 256 G Micro SD card; built in MIC
- 12 VDC/PoE power supply, easy for installation
- IP67 protection
- SMD Plus

Type	IP
Megapixel	5 MP
Objective	Motionless
Focus	2.8 mm
Lighting	IR
Lighting distance	30 m
Protection	IP67
Material	Metal



Detailed

Model	IPC-HFW2549SP-S-IL-0280B
Camera	
Matrix	1/2.7" CMOS
Effective Pixels	2960 × 1668
ROM	128 Mb

RAM		256 MB			
Scanning system		Progressive			
Electronic shutter speed		Auto / Manual 1 / 3 sec - 1 / 100,000 sec			
Min. illumination		0.007 Lux@F1.6 (Color, 30 IRE) 0.0007 Lux@F1.6 (B/W, 30 IRE) 0 Lux (IR on)			
Signal to Noise Ratio		>56 dB			
IR distance		30m (98.43ft) (IR); 30m (98.43ft) (Warm Light)			
IR Control On/Off		Auto / Manual			
IR LEDs		1 (IR); 1 (Warm light)			
Pan/Tilt/Rotation Range		Pan:0°-360° Tilt:0°-90° Rotate:0°-360°			
Lens					
Lens type		Fixed			
Mounting type		M12			
Focal length		2.8 mm			
Max aperture		F1.6			
Viewing angle		Horizontal:111°; Vertical:58°; Diagonal:132°			
Aperture control		Fixed			
Closed focal length		1.1 m (3.61 ft)			
FOOL Distance	Lens	Detection	Notification	Recognition	Identification
	2.8 mm	63.6 m (208.66 ft)	25.4 m (83.33 ft)	12.7 m (41.67 ft)	6.4 m (21.00 ft)
Intellectual properties					
IVS (Perimeter Security)		Intrusion, stretching (Two functions support classification and accurate detection of vehicle and person)			
Smart search		Works together with Smart NVR to perform precise intelligent search, extract events and merge them with event videos.			

Video	
Video compression	H.265; H.264; H.264H; H.264B; MJPEG (Supported by sub-stream only)
Smart Codec	Smart H.265+; Smart H.264+
Video frame rate	Main Stream:2960×1668(1-20fps)/2688×1520(1-25/30fps) Sub Stream:704×576(1-25fps)/704×480(1-30fps) *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	2 streams
Permission	2960 × 1668 (2960 × 1668); 2880 × 1620 (2880 × 1620); 2688 × 1520 (2688 × 1520); 3M (2048 × 1536); 2304 × 1296 (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 control	CBR/VBR
Video bit rate	H.264:32 kbps-8192 kbps H.265:12 kbps-8192 kbps
Day / Night	Auto (IR) / Color / B/W
BLC	Eat
HLC	Eat
WDR	120 dB
White Balance	Auto / Natural Light / Street Light / Outdoor / Manual / Regional
Gain control	Auto / Manual
Noise reduction	3D NR
Motion detection	Off / On (4 Zones, Rectangle)
Area of Interest (RoI)	Yes (4 Zones)
Smart lighting	Eat
Rotate frame	0° / 90° / 180° / 270° (Support 90° / 270° with resolution 2688×1520 and below)
Display	Eat

Privacy Mask	4 Zones
Audio	
Built-in microphone	Eat
Audio compression	G.711a; G.711Mu; PCM; G.726
Anxiety	
Disturbing developments	No SD card; SD card full; SD card error; Network disconnection; IP conflict; Illegal access; Motion detection; Video tampering; Tripping; Intrusion; Audio detection; Voltage detection; SMD; Security exception
Net	
Network port	RJ-45 (10/100 Base-T)
SDK and API	Eat
Network port	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Boujour
Compatibility	ONVIF (Profile S / Profile G / Profile T); CGI; P2P; Milestone
User / Host	20 (Total bandwidth: 48 MB)
Storage	FTP; SFTP; Micro SD card (Support max 256GB); NAS
Browser	IE Chrome Firefox
Management software	Smart PSS; DSS; DMSS
Smartphones	iOS; Android
Cyber security	Configuration encryption; Trusted execution; Digest; Security logs; WSSE; Account lockout; System log; Video encryption; 802.1x; IP/MAC filtering; HTTPS; Trusted update; Trusted boot; Firmware encryption; X.509 certificate generation and import
Protection	
Degree of protection	IP67
Certificates	
Certificates	CE-LVD:EN62368-1; CE-EMC:EMC Directive

	2014/30/EU; FCC:47 CFR FCC, Part 15, Subpart B; UL/CUL:UL62368-1 & CAN/CSA C22.2 No. 62368-1-14
Environment	
Operating temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Working 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	Base:2.2W(DC12V);2.9W(PoE) Max(H.265+Max Resolution+Max Bitrate+WDR+Warm Light Intensity+IVS):4.6W(DC12V);5.5W(PoE)
General information	
Material	Metal
Color	White
Dimensions	166.2 mm × 70 mm × 70 mm (6.54" × 2.76" × 2.76")
Net weight	0.47 kg (1.04 lbs)
Gross weight	0.59 kg (1.30 lbs)