

# DH-IPC-HFW3449T1P-AS-PV-0360B

DAHUA DH-IPC-HFW3449T1P-AS-PV 4MP ( 3.6MM ) WISENSE NETWORK KAMERA

Model	DH-IPC-HFW3449T1P-AS-PV-0360B
Brend	Dahua
Növ	IP
Meqapixel	4 MP
İşıqlandırma	LED
Obyektiv	Sabit
Fokus	3.6
İşıqlandırma məsafəsi	30 m
Mikrofon	Mic
Qoruma	IP67
Material	Metal



## Specification

Camera	
Image Sensor	1/2.7" CMOS
Max. Resolution	2688 (H) × 1520 (V)
ROM	128 MB
RAM	512 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s~1/100,000 s
Min. Illumination	0.003 lux@F1.0 (Color, 30 IRE) 0.0003 lux@F1.0 (B/W, 30 IRE) 0 lux (illuminator on)
S/N Ratio	≥ 56 dB
Illumination Distance	Up to 30 m (98.43 ft) (IR) Up to 30 m (98.43 ft) (warm light)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (IR LED) 2 (warm light)
Angle Adjustment	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°
Lens	
Lens Type	Fixed-focal
Mount Type	M12
Focal Length	2.8 mm; 3.6 mm
Field of View	2.8 mm: H: 101°; V: 53°; D: 120° 3.6 mm: H: 82°; V: 44°; D: 96°
Iris Type	Fixed

Close Focus Distance	2.8 mm: 1.5 m (4.92 ft) 3.6 mm: 2.2 m (7.22 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	66.0 m (216.54 ft)	26.4 m ( 86.61 ft)	13.2 m (43.31 ft)	6.6 m (21.65 ft)
	3.6 mm	78.0 m (255.91 ft)	31.2 m ( 102.36 ft)	15.6 m (51.18 ft)	7.8 m (25.59 ft)
Intelligence					
IVS (Perimeter Protection)	Tripwire; intrusion (support the classification and accurate detection of vehicle and human)				
SMD 4.0	Less false alarm, longer detection distance				
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos				
Quick Pick	With AI NVR, quickly pick up the human/vehicle targets that users are interested in from SMD events				
AI SSA	Adopt deep learning algorithms to adjust the parameters of the image to suit the conditions.				
Video					
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub 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–30 fps) Sub stream: 704 × 576@(1 fps–25 fps)/704 × 480@(1 fps–30 fps) Third stream: 1920 × 1080@(1 fps–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity				
Stream Capability	3 streams				
Resolution	4M (2688 × 1520/2560 × 1440); 3M (2304 × 1296/2048 × 1536); 1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				
Bit Rate Control	CBR/VBR				
Video Bit Rate	H.264: 32kbps–8192 kbps H.265: 12kbps–8192 kbps				
Day/Night	Auto (ICR)/Color/B/W				
BLC	Yes				
HLC	Yes				
WDR	120 dB				
Scene Self-adaptation	Yes				
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom				
Gain Control	Auto; manual				
Noise Reduction	3D NR				
Motion Detection	OFF/ON (4 areas)				
Region of Interest (RoI)	Yes (4 areas)				
Smart Illumination	Yes				
Defog	Yes				
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)				
Mirror	Yes				
Privacy Masking	8 areas				
Audio					
Built-in Mic	Yes, built-in dual Mic				
Built-in speaker	Yes, built-in speaker				
Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723				
Alarm					
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; scene changing; audio detection; voltage detection; external alarm; SMD; security exception				

Network	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P
Interoperability	ONVIF (Profile S;Profile G;Profile T); CGI
User/Host	20 (Total bandwidth: 72 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS
Browser	IE: IE8/9/11 Chrome Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	iOS; Android
Certification	
Certification	CE-LVD: EN 62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CUL:UL62368-1 & CAN/CSA C22.2 No. 62368-1-14;
Port	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel in: 5mA 3V-5 VDC
Alarm Output	1 channel out: 300mA 12 VDC
Power	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 3.3 W (12 VDC); 4.4 W (PoE) Max. (pulling stream+warning light+speaker+warm light on): 6.8 W (12 VDC); 8.2 W (PoE)
Environment	
Operating Conditions	-40 °C to +60 °C (-40 °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 + plastic
Dimensions	288.4 mm × 94.4 mm × 84.7 mm (11.35" × 3.72" × 3.33") (L × W × H)
Net Weight	1.0 kg (2.20 lb)
Gross Weight	1.23 kg (2.71 lb)