

IPC-HDW1431T1P-S4

- 4MP, 1/3” CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560 × 1440) @25/30 fps, and supports max. 4MP (2688 × 1520) @20 fps
- H.265 codec, high compression rate, ultra-low bit rate
- WDR, Day/Night(ICR), 3DNR, HLC, AGC, BLC
- Abnormality detection: Motion detection, video tampering, network disconnection, IP conflict, illegal access
- Max IR LEDs Length 30m
- 12V DC/PoE power support
- IP67

Type	IP
Megapixel	4 MP
Objective	Motionless
Focus	2.8 mm
Lighting	IR
Lighting distance	30 m
Protection	IP67
Material	Plastic



Camera	
Image Sensor	1/3”4Megapixel progressive CMOS
Max. Resolution	2688 (H) ×1520 (V)
ROM	128 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100000 s
S/N Ratio	> 56 dB
Min. Illumination	0.03 Lux @ F2.0
Illumination Distance	30 m (98.4 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	1(IR LED)
Pan/Tilt/Rotation Range	Pan: 0°-355° Tilt: 0°-78° Rotation: 0°-360°
Lens	

Lens Type	Fixed-focal				
Mount Type	M12				
Focal Length	2.8 mm				
Max. Aperture	F2.0				
Field of View	2.8 mm: Horizontal: 93° Vertical: 53° Diagonal: 111°				
Iris Type	Fixed				
Close Focus Distance	2.8 mm: 0.8 m (2.6 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	50.0 m (183.7 ft)	22.4 m (73.5 ft)	11.2 m (36.7 ft)	15.1 m (18.4 ft)
Video					
Video Compression	H.265; H.264; H.264B; MJPEG(only supported by sub stream)				
Smart Codec	Smart H.265+/ Smart H.264+				
Video Frame Rate	Main Stream: 2688 × 1520 (1 fps-20 fps) 2560 × 1440 (1 fps-25/30 fps) Sub Stream: 704 × 576 (1 fps-20/25 fps) 704 × 480 (1 fps-20/30 fps)				
Stream Capability	2 streams				
Resolution	2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 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)				
Bit Rate Control	CBR; VBR				
Video Bit Rate	H.264: 32 kbps-6144 kbps H.265: 12 kbps-6144 kbps				
Day/Night	Auto(ICR)/Color/B/W				
BLC	Yes				
HLC	Yes				
WDR	120 dB				
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom				
Gain Control	Manual/Auto				
Noise Reduction	3D NR				
Motion Detection	OFF/ON (4 areas, rectangular)				
Region of Interest(RoI)	Yes (4 areas)				
Smart Illumination	Yes				
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower.)				
Mirror	Yes				
Privacy Masking	4 areas				
Alarm					
Alarm Event	Network disconnection; IP conflict; motion detection; video tampering; illegal access; voltage detection; 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; PPPoE; Bonjour
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
User/Host	20
Storage	FTP; SFTP; NAS
Browser	IE Chrome Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS; Android
Certification	
Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Power	
Power Supply	12V DC/POE (802.3af)
Power Consumption	< 5.1W
Environment	
Operating Conditions	-40°C to +55°C (-40°F to +131°F) /less than≤95%
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Protection	IP67
Structure	
Casing	Inner core:metal+ plastic; cover:plastic
Dimensions	85.5 mm × Φ109 mm (3.4" × Φ4.3")
Net Weight	0.25 kg (0.6 lb)
Gross Weight	0.37 kg (0.8 lb)