

IPC-HDW1230T1P-ZS-2812-S5-QH

- 2MP 1/2.8" CMOS image sensor, low luminance, and high definition image kamera
- Outputs max. 2MP (1920 × 1080)@25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, and the max. illumination distance is 40 m
- ROI, SMART H.264 +/-H.265+, flexible coding, applicable to various bandwidth and storage environments
- Abnormality detection: Motion detection, privacy masking, no SD card,SD card full, SD card error, network disconnection, IP conflict, and illegal access
- Max. 256 G SD card
- 12V DC/PoE power supply
- IP67 protection

Type	IP
Megapixel	2 MP
Objective	Varifocal
Focus	2.8-12 mm
Lighting	IR
Lighting distance	40 m
Microphone	Mic
Protection	IP67
Material	Plastic



Detailed

Model	IPC-HDW1230T1P-ZS-2812-S5-QH
Technical specifications	
Matrix	1/2.8" 2MP CMOS
Effective Pixels	1920×1080
ROM	16 Mb
RAM	128 Mb

Scanning system	Progressive				
Electronic shutter speed	Auto / Manual 1 / 3 sec - 1 / 100,000 sec				
Min. illumination	0.008 Lux@F1.7 (Color, 30 IRE) 0.0008 Lux@F1.7 (B/W, 30 IRE) 0 Lux (IR on)				
Signal to Noise Ratio	> 56 dB				
IR distance	40 m (131.23 ft)				
IR Control On/Off	Auto / Manual				
IR LEDs	2				
Pan/Tilt/Rotation Range	Pan:0°-360° Tilt:0°-78° Rotate:0°-360°				
Lens					
Lens type	Motorized varifocal				
Focal length	2.8 mm - 12 mm				
Max. aperture	F1.7				
Viewing angle	Horizontal: 101°- 33.5°; Vertical: 52.5°- 19°; Diagonal: 125°- 38.5°				
IR type	Fixed				
Closed focal length	0.8 m (2.6 lbs)				
FOOL Distance	Lens	Detection	Notification	Recognition	Identification
	W	48 m (157.48 ft)	19 m (62.34 ft)	10 m (32.81 ft)	5 m (16.40 ft)
	T	131 m (429.79 ft)	52 m (170.60 ft)	26 m (85.30 ft)	13 m (42.65 ft)
Video					
Video compression	H.265; H.264; H.264B; MJPEG (supported by sub-stream only)				
Smart Codec	Smart H.265+; Smart H.264+				
Video frame rate	Main Stream: 1920×1080 1-25/30fps Sub Stream:				

	704×576@1-25fps / 704×480@1-30fps *The above values are the maximum frame rate of each stream; for multiple streams, the values will depend on the total encoding capacity
Bitrate control	CBR/VBR
Bit rate	H.264:32 kbps-6144 kbps H.265:12 kbps-6144 kbps
Day / Night	Auto (ICR) / Color / B/W
BLC	Eat
HLC	Eat
WDR	DWDR
White Balance	Auto / Natural / 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 1080p resolution and below)
Display	Eat
Privacy Mask	4 Zones
Anxiety	
Disturbing developments	No SD card; SD card full; SD card error; Network disconnection; IP conflict; Illegal access; Motion detection; Video abuse; Security exception; Defocus detection
Net	
Network port	RJ-45 (10/100 Base-T)
SDK and API	Eat
Cyber security	Video encryption; Configuration encryption; Digest; VSSE; Account lock; Security logs; X.509 certificate generation and import; HTTPS; Trusted boot; Trusted execution; Trusted update

Network protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast; DDNS
Compatibility	ONVIF (Profile S / Profile T); CGI; P2P; Milestone
User / Host	6
Storage	FTP; Micro SD card (support max 256GB)
Browser	IE Chrome Firefox
Software	Smart PSS; DSS; DMSS
Mobile client	IOS; Android
Protection	
Degree of protection	IP67
Certificates	
Certificates	CE-LVD:EN60950-1 CE-EMC:Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC, Part 15, Subpart B
Environment	
Operating temperature	-30°C to +60°C (-22°F to 140°F)
Working humidity	≤95%
Storage conditions	-40°C to +60°C (-40°F to +140°F)
Electrical properties	
Power supply	12V DC / PoE (802.3af)
Power consumption	Base: 1.6W (DC12V); 2.4W (PoE) Max. (H.265+ICR+IR Intensity): 3.9W (DC12V); 5W (PoE)
General information	
Frame	Metal+Plastic
Mounting type	φ14
Color	White

Dimensions	108.8 mm × Ø122 mm (4.28" × Ø4.80")
Net weight	0.44 kg (0.97 lb)
Gross weight	0.63 kg (1.39 lbs)

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