



Dahua Technology Entry IPC-HDW1431T-ZS-2812-S4 security camera Turret IP security camera Indoor & outdoor 2688 x 1520 pixels Ceiling

Brand : Dahua Technology

Product family: Entry

Product code: IPC-HDW1431T-ZS-2812-S4

Product name : IPC-HDW1431T-ZS-2812-S4



- 4 MP, 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
 - Built-in IR LED, max. IR distance: 50 m
 - ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
 - Image Rotation, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
 - Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
 - Supports max. 256 GB SD card
 - 12V DC/PoE power support
 - IP67 protection
- 4MP, 1/3" CMOS, 2688 x 1520@20 fps, IP67, Ø 122 x 108.3 mm, 690 g

Performance		Video	
Type *	IP security camera	Supported video modes	720p, 1080p
Placement supported *	Indoor & outdoor	Video recording	✓
Connectivity technology *	Wired	Frame rate	30 fps
Wide Dynamic Range (WDR)	✓	Video streaming	✓
Day/night mode	✓	Noise reduction	✓
Dynamic range	120 dB	Noise reduction technology	3D noise reduction
Certification	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B	Gain control type	Auto/Manual
		Privacy masking	✓
Design		Bit rate control	Constant Bit Rate (CBR)/Variable Bit Rate (VBR)
Form factor *	Turret	Bit rate	H.264: 32 kbps-6144 kbps, H.265: 12 kbps-6144 kbps
Mounting type *	Ceiling	Back Light Compensation (BLC)	✓
Product colour *	White	Highlight Compensation (HLC)	✓
Housing material	Metal, Plastic	Region of Interest (ROI) encoding	✓
International Protection (IP) code	IP67	Smart IR	✓
Camera		Network	
Minimum illumination	0.03 lx	Ethernet LAN *	✓
Angle of rotation	360°	Ethernet interface type	Fast Ethernet
Lens viewing angle, horizontal	98 - 31°	Networking standards	IEEE 802.3af
Lens viewing angle, vertical	55 - 18°	Supported network protocols	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS;
Lens viewing angle, diagonal	116 - 36°		UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour
Tilt angle range	0 - 78°	Number of users	20 user(s)
Pan range	0 - 355°	Quality of Service (QoS) support	✓
White balance	Auto, Manual, Natural, Outdoor	Streaming method	Multicast
Camera shutter speed	1/3 - 1/100000 s	Storage	
Adjustment shutter speed	Auto/Manual	Built-in HDD *	✗
Image sensor		Card reader integrated	✓
Optical sensor size	25.4 / 3 mm (1 / 3")	Compatible memory cards	MicroSD (TransFlash)
Progressive scan	✓	Maximum memory card size	256 GB
Sensor type *	CMOS	Internal memory	128 MB
Panoramic camera			
Number of Privacy masking areas (panoramic camera)	4		

Lens system		Storage	
Number of lenses *	1	ROM capacity	128 MB
Focal length range	2.8 - 12 mm	Ports & interfaces	
Maximum aperture number	1.7	Ethernet LAN (RJ-45) ports	1
Detect distance (wide)	66 m	Security	
Detect distance (tele)	200 m	Video motion detection	✓
Observe distance (wide)	26.4 m	Security algorithms	802.1x RADIUS, HTTPS
Observe distance (tele)	80 m	Management features	
Recognize distance (wide)	13.2 m	Web browser	✓
Recognize distance (tele)	40 m	Power	
Identify distance (wide)	6.6 m	Power source type *	DC, PoE
Identify distance (tele)	20 m	Power consumption (typical)	6.9 W
Closest focusing distance	0.8 m	DC output voltage	12
Night vision		Operational conditions	
Night vision *	✓	Operating temperature (T-T)	-30 - 60 °C
Night vision distance	50 m	Storage temperature (T-T)	-40 - 60 °C
LED type	IR	Operating relative humidity (H-H)	0 - 95%
Number of illumination LEDs	2	System requirements	
Video		Mobile operating systems supported	Android, iOS
Maximum resolution *	2688 x 1520 pixels	Weight & dimensions	
Total megapixels *	4 MP	Width	122 mm
Video formats supported	H.264, H.265	Depth	122 mm
Video compression formats	H.264, H.264B, H.265, M-JPEG	Height	108.3 mm
Supported graphics resolutions	352 x 240, 352 x 288, 640 x 480 (VGA), 704 x 480, 704 x 576, 1280 x 720 (HD 720), 1280 x 960, 1920 x 1080 (HD 1080), 2304 x 1296, 2560 x 1440, 2688 x 1520	Diameter	12.2 cm
		Weight	690 g
		Packaging data	
		Package weight	870 g
		Packaging content	
		Number of cameras *	1

Catalog Object Cloud



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