

DH-IPC-HDW3541T-ZAS

5MP IR Vari-focal Eyeball WizSense Network Camera



Wiz Sense

Launched by Dahua Technology, WizSense is a series of Al products and solutions that adopt independent Al chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Dahua's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

Series Overview

With advanced deep learning algorithm, Dahua WizSense 3 Series network camera supports intelligent functions, such as perimeter protection and smart motion detection. With starlight technology, this series camera provides a better image effect in the condition of low illuminance.

Functions

SMD Plus

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Perimeter Protection

With deep learning algorithm, Dahua Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion) are largely reduced.

- 5MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs max. 5MP (2592 × 1944) @20 fps, and supports 4MP (2688 × 1520) @25/30 fps
- H.265 codec, high compression rate, low bit rate
- · Built-in IR LED, max. IR distance: 40 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, net work disconnection, IP conflict, illegal access, voltage detection
- · Supports max. 256 G Micro SD card, built-in Mic
- 12V DC/POE power supply
- IP67 protection
- · SMD Plus













Starlight

Dahua Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

Cyber Security

Dahua network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading the device.

Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.





Wiz Sense | DH-IPC-HDW3541T-ZAS

Technical S _I	pecification	on					Bit Rate Control	CBR/VBR
Camera							Video Bit Rate	H.264: 3 Kbps–8192 Kbps H.265: 3 Kbps–8192 Kbps
Image Sensor		1/2.7" 5Megapixel progressive CMOS					Day/Night	Auto(ICR)/Color/B/W
Max. Resolution		2592 (H) ×1944 (V)					BLC	Yes
ROM		128 MB					HLC	Yes
RAM		512 MB					WDR	120 dB
Scanning System		Progressive						Auto/natural/street lamp/outdoor/manual/regional
Electronic Shutter Speed		Auto/Manual	1/3 s-1/1000	00 s			White Balance	custom
Min Illuminatio			0.005 Lux@F1.5 (Color, 30IRE)				Gain Control	Auto/Manual
Min. Illumination		0.0005 Lux@F1.5 (B/W, 30IRE) 0 Lux (Illuminator on)					Noise Reduction	3D DNR
S/N Ratio	S/N Ratio		> 56 dB				Motion Detection	OFF/ON (4 areas, rectangular)
Illumination Dis	stance	40 m (131.2 ft)					Region of Interest(RoI)	Yes (4 areas)
Illuminator On/	Off Control	Auto/Manual					Smart Illumination	Yes
Illuminator Number		2 (IR LED)					Image Rotation	$0^\circ/90^\circ/180^\circ/270^\circ$ (Support $90^\circ/270^\circ$ with 1920×1080 resolution and lower.)
Pan/Tilt/Rotation Range		Pan: 0°-360°; Tilt: 0°-78°; Rotation: 0°-360°					Mirror	Yes
Lens							Privacy Masking	4 areas
Lens Type		Motorized vari-focal					Audio	
Mount Type		ф14					Built-in MIC	Yes
Focal Length		2.7 mm-13.5 mm					Audio Compression	G.711a; G.711Mu; G726
Max. Aperture		F1.5					Alarm	
Field of View	Field of View		Horizontal: 99°–26° Vertical: 72° –20° Diagonal: 133°, 33°				Alarm Event	No SD card; SD card full; SD card error; less service time of SD card (smart card supports); network disconnection; IP conflict; illegal access; voltage detection; security
Iris Type	Iric Typo		Diagonal: 133° –33° Fixed					
Close Focus Dis	tance	0.8 m (2.6 ft)						exception; motion detection; video tampering; scene changing; intensity change; tripwire; intrusion; SMD
Close i ocus bis	Lens	Detect	Observe	Recognize	Identify		Network	
		64.0 m	25.6 m	12.8 m	6.4 m		Network	RJ-45 (10/100 Base-T)
DORI Distance	W	(210.0 ft)	(84.0 ft)	(42.0 ft)	(21.0 ft)		SDK and API	Yes
	Т	222.0 m (728.3 ft)	88.8 m (291.3 ft)	44.4 m (145.7 ft)	22.2 m (72.8 ft)		Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP;
Professiona	l, Intellige	ent						Multicast; ICMP; IGMP; NFS; PPPoE; SNMP
Perimeter Protection Tripwire; intrusion (Recognition of human and vehicle)					Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs;			
Intelligent Search		Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos					Cyber Security	IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Video							Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI;P2P;Milestone; Genetec
Video Compression		H.265; H.264; H.264H; H.264B; MJPEG(only supported by sub stream)					Scene Self-adaptation (SSA)	Yes
Smart Codec	Smart Codec		Smart H.265+/ Smart H.264+				User/Host	20 (Total bandwidth: 64 M)
Video Frame Rate		Main stream (2592 × 1944@1–20 fps) (2688 × 1520@1–25/30 fps)				Storage	FTP; SFTP; Micro SD Card (support max. 256 G); NAS	
video i rame nate		sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps) third stream (1280 × 720@1–25/30 fps)					Browser	IE: IE8, IE9, IE11



Stream Capability

Resolution

3 streams

5M (2592 × 1944); 4M (2688 × 1520); 3M (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)

Browser

Mobile Phone

Management Software

Chrome

Firefox

IOS; Android

Smart PSS, DSS, DMSS

Certification

CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive Certifications 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07

Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	<8.0W

Environment

Operating Conditions	-30°C to +60°C (-22°F to +140°F)/less than 95%
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67

Structure

Casing	Metal
Dimensions	108.3 mm × Φ122 mm (4.3" × Φ4.8")
Net Weight	685g (1.5 lb)
Gross Weight	828 g (1.8 lb)

Ordering Information Type Part Number Description 5MP IR Vari-focal Eyeball WizSense DH-IPC-HDW3541TP-ZAS Network Camera, PAL 5MP Camera 5MP IR Vari-focal Eyeball WizSense DH-IPC-HDW3541TN-ZAS Network Camera, NTSC PFA130-E Junction Box PFB203W Wall mount PFA106 Mount adapter PFB220C Celling mount Accessories PFA152-E Pole Mount (optional) PFM321D DC12V1A Power adapter Single-port long reach ethernet over LR1002-1ET/1EC coax extender PFM900-E Integrated mount tester PFM114 TLC SD card

Accessories

Optional:



PFA130-E Junction Box



PFB203W Wall Mount



PFA106 Mount Adapter



PFB220C Ceiling Mount

LR1002-1ET/1EC

Single-port long

reach ethernet over coax extender



PFA152-E



PFM321D

Pole Mount



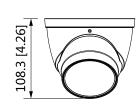
PFM900-E Integrated Mount

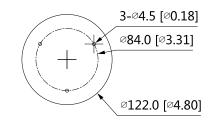


PFM114 TLC SD card

Junction Mount	Wall Mount	Ceiling MountP	ole Mount
PFA130-E	FB203W	PFA106+PFB220C	PFB203W+PFA152-E

Dimensions (mm[inch])







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