

DH-IPC-HFW3441T-ZAS

4MP IR Vari-focal Bullet WizSense Network Camera



Wiz Sense

Launched by Dahua Technology, WizSense is a series of AI products and solutions that adopt independent AI 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.

- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs max. 4MP (2688 × 1520)@30 fps
- H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR distance: 60 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 abnormality detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Alarm: In, out; Audio: In, out; Supports max. 256 G Micro SD card
- 12V DC/POE power supply
- IP67, IK10(optional) 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.



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Technical Specification

Camera					
Image Sensor		1/3"4Megapixel progressive CMOS			
Max. Resolution		2688 (H) ×1520 (V)			
ROM		128 MB			
RAM		512 MB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100000 s			
Min. Illumination		0.005 Lux@F1.5 (Color, 30IRE) 0.0005 Lux@F1.5 (B/W, 30IRE) 0 Lux (Illuminator on)			
S/N Ratio		> 56 dB			
Illumination Distance		60 m (197 ft)			
Illuminator On/Off Control		Auto/Manual			
Illuminator Number		4 (IR LED)			
Pan/Tilt/Rotation Range		Pan: 0°–360°; Tilt: 0°–90°; Rotation: 0°–360°			
Lens					
Lens Type		Motorized vari-focal			
Mount Type		φ14			
Focal Length		2.7 mm-13.5 mm			
Max. Aperture		F1.5			
Field of View		Horizontal: 104°–27° Vertical: 55° –15° Diagonal: 124° –31°			
Iris Type		Fixed			
Close Focus Distance		0.8 m (2.6 ft)			
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	W	64.0 m (210.0ft)	25.6 m (84.0 ft)	12.8 m (42.0 ft)	6.4 m (21.0 ft)
	т	222.0 m (728.3 ft)	88.8m (291.3 ft)	44.4 m (145.7 ft)	22.2 m (72.8 ft)

Professional, Intelligent

Perimeter Protection	Tripwire; intrusion (Recognition of human and vehicle)
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
Video	
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG(only supported by sub stream)
Smart Codec	Smart H.265+/ Smart H.264+
Video Frame Rate	Main stream (2688 × 1520@1–25/30 fps) sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps) third stream (1280 × 720@1–25/30 fps)
Stream Capability	3 streams
Resolution	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)

Video Bit RateIL262: 3 Kbps-B132 KbpsDay/NightAuto(ICR)/Color/B/WBLCVesMLCVesWDR20 dBWDRAuto(Indural/street lam/outdoor/manual/regional astomGain ControlAuto/ManualNoise Reduction3D DNRMotion DetectorOF/ON (4 areas, rectangular)Region of Interest(Rol)YesMirrorColor/Color/SilvD/270* (Support 90*/270* with 1920 × 1000 resolution and lower.)MirrorVesAudio CompressionG7140 × 7000 ×	Bit Rate Control	CBR/VBR		
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Browser Chrome Firefox Management Software Smart PSS, DSS, DMSS	Storage	FTP; SFTP; Micro SD Card (support max. 256 G); NAS		
	Browser	Chrome		
Mobile Phone IOS; Android	Management Software	Smart PSS, DSS, DMSS		
	Mobile Phone	IOS; Android		

Wiz Sense | DH-IPC-HFW3441T-ZAS

Certification

Ordering Information

LR1002-1ET/1EC

PFM900-E

PFM114

Туре

4MP Camera

(optional)

Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07		
Port			
Audio Input	1-channel (RCA port)		
Audio Output	1-channel (RCA port)		
Alarm Input	1 channel in: 5mA 3V–5V DC		
Alarm Output	1 channel out: 300mA 12V DC		
Power			
Power Supply	12V DC/PoE (802.3af)		
Power Consumption	<9.8W		
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	244.1 mm × 79.0 mm × 75.9 mm (9.6" × 3.1" × 3.0") (L × W × H)		
Net Weight	820 g (1.8lb)		
Gross Weight	1090 g (2.4lb)		

Accessories

Optional:



PFA130-E

Junction Box



PFA152-E

Pole Mount



PFM321D DC12V1A Power Adapter



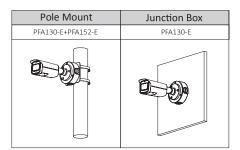




LR1002-1ET/1EC Single-port long reach ethernet over coax extender

PFM900-E Integrated Mount tester

PFM114 TLC SD card



Dimensions (mm[inch])

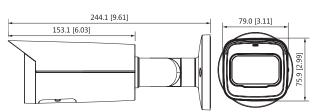
Part Number Description 4MP IR Vari-focal Bullet WizSense DH-IPC-HFW3441TP-ZAS Network Camera, PAL 4MP IR Vari-focal Bullet WizSense DH-IPC-HFW3441TN-ZAS Network Camera, NTSC PFA130-E Junction Box PFA152-E Pole Mount PFM321D DC12V1A Power Adapter Accessories

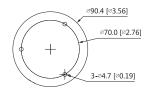
Single-port Long Reach Ethernet

Over Coax Extender

TLC SD Card

Integrated Mount Tester





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