

DH-SD4E425GB-HNR-A-PV1

4MP 25x Starlight IR WizSense Network PTZ 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.

System Overview

The Three-in-One Camera (TiOC) solution combines 24/7 monitoring, active deterrence and real-time alarms with artificial intelligence into one smart, innovative solution. TiOC PTZ cameras adopt auto-tracking 3.0 technology, greatly improving the monitoring scope of key targets. For distributors and installers, it not only saves time, but also reduces cost.

Functions

Starlight Technology

With advanced image processing technology and optical technology, Dahua Starlight technology can provide clear colorful video in the environment of low illuminance. It widely applies to various environments of low illuminance.

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

Automatically filters out false alarms caused by animals, rustling leaves, bright lights, and more, and uses secondary recognition during target detection to improve alarm accuracy.

- 1/2.8" 4Megapixel STARVIS™ CMOS.
- 25x optical zoom.
- Starlight technology.
- Max. 25/30fps@4M.
- IR distance up to 100 m.
- Auto-tracking 3.0.
- Perimeter protection.
- Face detection.
- SMD 4.0.
- IP66.
- Full-color illuminator; red and blue warning light.



Face Detection

Dahua Face Detection technology can detect the face in the image. With deep learning algorithm, the technology supports detecting, tracking, capturing and selecting the best face image, and then outputs face snapshot.

Protection (IP66, TVS 6000 V)

IP66, TVS 6000 V lightning proof, surge protection, and voltage transient protection.

Auto Tracking

This feature controls the pan, tilt and zoom actions of the camera to automatically track an object in motion, to keep it in view of the camera. Tracking can be triggered manually or automatically by defined rules. Once a rule is triggered, the camera can zoom in and track the defined target automatically.

SMD 4.0

Dahua Smart Motion Detection technology works with intelligent algorithms to classify targets that trigger motion detection alarms. It filters out objects that are not targets, such as small and large animals, to avoid triggering false alarms. With an AI NVR, Quick Pick technology becomes available, allowing you to easily search for and pick out human and vehicle targets from SMD event videos, prioritizing the highest matches.

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Scan 5 Gain Control Auto/Manual Power-off Memory Yes Yes Yes	Tour	8 (up to 32 presets per tour)	HLC	Yes	
Scan 5 Power-off Memory Yes	Pattern	5	White Balance		
	Scan	5	Gain Control		
	Power-off Memory	Yes	Noise Reduction	2D/3D	

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Motion Detection	Yes			
Region of Interest (RoI)	Yes			
Image Stabilization	Electronic (EIS)			
Defog	Electronic			
Digital Zoom	16×			
Image Rotation	180°			
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view; multiple colors available			
S/N Ratio	≥ 55 dB			
Audio				
Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723			
Network				
Network Port	RJ-45 (10/100 Base-T)			
Network Protocol	FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; HTTP; SSL; DHCP; SMTP; QoS; RTSP; ARP			
Interoperability	CGI;SDK;ONVIF (Profile S&G&T);P2P			
Streaming Method	Unicast/Multicast			
User/Host	20 (total bandwidth: 64 M)			
Storage	Micro SD card (512 GB); FTP/SFTP; NAS			
Browser	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions Safari 10 and later versions			
Management Software	DSS pro; DMSS; NVR			
Mobile Client	iOS;Android			
Certification				
Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014			
Port				
Audio Input	1 channel			
Audio Output	1 channel			
Alarm Linkage	Capture; recording; send email; preset; pattern; tour; alarm digital input; audio; warning light			
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection			
Alarm I/O	2/1			
Audio I/O	1/1			
Power				
Power Supply	12 VDC/3 A ± 10% PoE+ (802.3at)			

Basic: 7.0 W

Max.: 13 W (illuminator+heater+PTZ+speaker)

Power Consumption

EnvironmentOperating Temperature-40 °C to +65 °C (-40 °F to +149 °F)Operating Humidity<95%</td>ProtectionIP66; TVS 6000 V lightning proof; surge protection; voltage transient protectionStructureProduct Dimensions269.9 mm × 0160.0 mm (10.59" × 06.30")Net Weight2.6 kg (5.73 lb)Gross Weight4 kg (8.82 lb)

Ordering Information

Туре	Model	Description
4MP WizSense PTZ Camera	DH-SD4E425GB-HNR- A-PV1	4MP 25x Starlight IR WizSense Network PTZ Camera
	SD4E425GB-HNR-A-PV1	4MP 25x Starlight IR WizSense Network PTZ Camera
Accessories	PFB305W	Wall Mount Bracket
	DC 12 V/3A	Power Adapter
	PFA126	Junction Box
	PFA111	Mount Adapter
	PFB300C	Ceiling Mount Bracket
	PFB301C	Ceiling Mount Bracket
	PFA151	Corner Mount Bracket
	PFB303S	Parapet Mount Bracket
	PFB301S-E	Plane Mount Bracket
	PFA150	Pole Mount Bracket

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Accessories

Included:



PFB305W Wall Mount Bracket

Optional:



DC 12 V/3A Power Adapter





PFB300C Ceiling Mount Bracket



PFB303S Parapet Mount Bracket



PFB301C

Bracket

PFB301S-E

Plane Mount

Bracket



PFA151

Corner Mount

Bracket

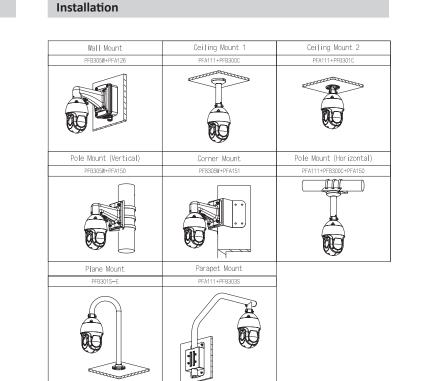
PFA111

Mount Adapter

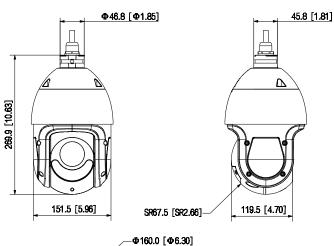
Ceiling Mount

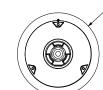


PFA150 Pole Mount Bracket



Dimensions (mm [inch])





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