



DH-SD6C3232GB-HNR-A-PV1

2MP 32 Starlight TiOC 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

With its powerful optical zoom, and accurate pan and tilt capabilities, the PTZ camera provides an all-in-one solution for long distance video surveillance of outdoor scenes. Together with infrared illumination and Starlight Technology, the camera is a great solution for dark, low light conditions. The series combines a day and night mechanical IR cut filter to produce high quality images in variable lighting conditions during the day.

Functions

PFA Technology

PFA technology has introduced new methods of judgment that ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms that ensure image clarity when zooming and that shorten focus time. This makes the camera highly advanced in its functions, substantially improving the quality of your experience.

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.

Wide Dynamic Range

The camera produces vivid images, even in high-contrast lighting conditions, by using industry-leading wide dynamic range (WDR) technology. For scenes that quickly alternate between bright and low lighting, WDR adjusts to fully capture both the bright and dark areas of a scene, producing superior quality videos.

- · 1/2.8"2Megapixel STARVIS™ CMOS.
- · 32× optical zoom.
- · Starlight technology.
- · Max. 25/30 fps@2M.
- · IR distance up to 150 m.
- · Auto-tracking 3.0.
- · Perimeter protection.
- · Face detection.
- · SMD 4.0.
- · Quick Pick.
- · Full-color illuminator; red and blue warning light.
- · IP66.
- · PoE (802.3at).













Auto-tracking

This feature controls the pan/tilt/zoom actions of the camera to automatically track an object in motion and to keep it in the scene. The tracking action 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.

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.

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.

Quick Pick

Dahua Quick Pick technology can enable users to quickly pick up the human/vehicle targets that they are interested in, which facilitates retrieval from SMD events.

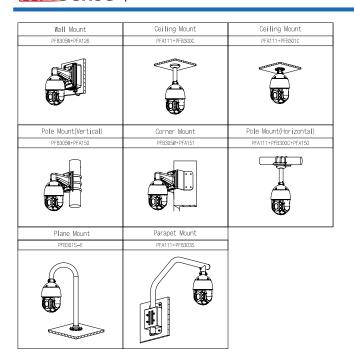
Protection (IP66, TVS 6000 V)

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

Technical Specification			Supports face detection, face bounding box, capturing snapshots, uploading face snapshots, enhancing face images, and selecting a preferred image among		
Camera					
Image Sensor	1/2.8" CMOS		a group of snapshots. Attribute Extraction is also supported, where 6 attributes and 8 expressions can be detected. The attributes are gender, age, glasses, mask, mustache and expressions. The expressions are angry, sad, hate, scared, surprised, calm, happy and confused. Face cutout is also offered, where you can cutout one face at a time and customize the size to be a one-inch photo. The supported methods for capturing snapshots are real-time capturing, quality first, and selecting a preferred image among a group of snapshots.		
Pixel	2 MP	Face Detection			
Max. Resolution	1920 (H) × 1080 (V)				
ROM	4 GB				
RAM	1 GB				
Electronic Shutter Speed	1/1 s-1/30,000 s	Auto Tracking	Yes		
Scanning System	Progressive	SMD	Yes		
Min. Illumination	Color: 0.005 lux@F1.6 B/W: 0.0005 lux@F1.6 0 lux (IR light on)	Quick Pick Active Deterrence	Yes		
Illumination Distance	50 m (164.04 ft) (white light) 150 m (492.13 ft) (IR)	Light Warning	Red and blue warning light. They can be configured to flash for 5 to 30 seconds with a high, medium or low		
Illuminator On/Off Control	Zoom Prio; Manual; Smart IR; Off		frequency.		
Illuminator Number	2 (IR) 2 (Dual light fusion)	Sound Warning	Customizable sound alarm		
Lens	_ (Video	Video		
Focal Length	4.8 mm-154 mm	Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream); Smart H.264+		
Max. Aperture	F1.6-F4.0	Streaming Capability	3 streams		
Field of View	H: 60.2°–2.7°; V: 34°–1.5°; D: 68°–3°	Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)		
Optical Zoom	32 ×		Main stream: 1080p/1.3M/720p@ (1–25/30 fps) Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p@ (1–25/30 fps)		
Focus Control	Auto; semi-auto; manual	Video Frame Rate			
Close Focus Distance	0.1 m-1.5 m (0.33 ft-4.92 ft)	Bit Rate Control	CBR/VBR		
Iris Control	Auto; manual	Video Bit Rate	H264: 64 kbps–10496 kbps H265: 25 kbps–6400 kbps		
DORI Distance	Detect Observe Recognize Identify	Day/Night	Auto (ICR)/Color/B/W		
	1,986 m 785 m 398 m 198 m (6,915.75 ft) (2,575.46 ft) (1,305.77 ft) (649.61 ft)	BLC	Yes		
PTZ		WDR	120 dB		
Pan/Tilt Range	Pan: 0° to 360° endless Tilt: –20° to +90°, auto flip 180°	HLC	Yes		
Manual Control Speed	Pan: 0°/s–240°/s Tilt: 0°/s–120°/s	White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp		
Preset Speed	Pan: 240°/s Tilt:120°/s	Gain Control	Auto; manual		
Preset	300	Noise Reduction	2D NR; 3D NR		
Tour	8 (up to 32 presets per tour)	Motion Detection	Yes		
Pattern	5	Region of Interest (RoI)	Yes		
Scan	5	Image Stabilization	Electronic (EIS)		
Power-off Memory	Yes	Defog	Electronic		
Idle Motion	Pattern; Preset; scan; tour	Digital Zoom	16×		
Intelligence		Image Rotation	180°		
-	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving;	Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view; multiple colors available		
IVS (Perimeter Protection)	parking detection; people gathering; vehicle/human alarm classification; linkage tracking	S/N Ratio	≥55 dB		

Audio		Ordering Information				
Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723	Туре	Model	Description		
Network	, ,	2MP TiOC WizSense PTZ Camera	DH-SD6C3232GB-HNR- A-PV1	2MP 32x TiOC Camera	2MP 32x TiOC WizSense Network PTZ Camera	
Network Port	RJ-45 (10/100 Base-T)		SD6C3232GB-HNR-A-PV1	2MP 32x TiOC Camera	WizSense Network PTZ	
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;	Accessories	PFB305W	Wall Mount Br	racket	
1.00	RTSP; ARP		DC 24 V/2.5 A	Power Adapte	Power Adapter	
Interoperability	CGI; SDK; ONVIF (Profile S&G&T)		PFA111	Mount Adapte	Mount Adapter	
Streaming Method	Unicast; Multicast		PFB301C	Ceiling Mount Bracket		
User/Host	20 (total bandwidth: 64 M)		PFB300C	Ceiling Mount Bracket		
Storage	FTP/SFTP; Micro SD card (512 GB); NAS		PFA126	Junction Box		
Browser	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions Safari 10 and later versions		PFA151		Pole Mount Bracket Corner Mount Bracket	
Management Software	DSS; DMSS		PFB301S-E	Plane Mount E	Bracket	
Mobile Client	iOS; Android		PFB303S	Parapet Mour	t Bracket	
Certifications						
Certifications	CE-EMC: EN 55032; EN 61000-3-3; EN 61000-3-2; EN 50130-4; EN 55035 CE-LVD: EN 62368-1 FCC: 47 CFR FCC Part15, Subpart B, NSI C63.4	Accessorie	2 S			
Port	, , ,	Included:				
Audio Input	1 channel	- 4	<i>)</i>			
Audio Output	1 channel			ļ		
Alarm Linkage	Capture; recording; send email; preset; tour; pattern; alarm digital input; audio; warning light	PFB305W DC24V/2.5A Wall Mount Bracket Power Adapter				
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection	Optional:				
Alarm I/O	2/1					
Audio I/O	1/1		Can	Sm		
Power		PFA111	PFB3	1016	PFB300C	
Power Supply	24 VDC/2.5 A ± 25% (included) PoE+ (802.3at)	Mount Adapte		Mount	Ceiling Mount Bracket	
Power Consumption	Basic: 13 W Max.: 23 W (illuminator + red and blue warning light + speaker + PTZ working)	6		3		
Environment		PFA126	PFA	150	PFA151	
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)	Junction Box		nt Bracket	Corner Mount Bracket	
Operating Humidity	≤95%					
Protection	IP66; TVS 6000 V lightning proof; surge protection; voltage transient protection					
Structure			ů.			
Product Dimensions	325.3 mm × Φ202.0 mm (12.81" × Φ7.95")	PFB301S-E	PFB3			
Net Weight	4.6 kg (10.14 lb)	Plane Mount Bracket	·	Parapet Mount Bracket		
Gross Weight	7.13 kg (15.72 lb)					

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Dimensions (mm[inch])

