DH-SDT6C432-4P-GB-APV-0280

4MP 32X Dual Light Network Panoramic PTZ Camera



- 1/2.8" 4Megapixel STARVIS™ CMOS.
- 32× optical zoom.
- Starlight technology.
- Max. 25/30 fps@2560 × 1440.
- IR distance up to 200 m.
- Auto-tracking.
- Perimeter protection.
- Face detection.
- IP66.
- Sound and light alarm.
- 180° Panoramic Splicing.



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 multi-sensor series pushes the bar on PTZ cameras with its enhanced monitoring capabilities captured in its unique lens design. Fitted with an extra lens, it quickly tracks targets while keeping an eye on the monitored area. They also harness the strength of their embedded AI intelligent chip to perform a wide variety of intelligent functions, making them ideal for use in many scenarios.

Functions

Face Detection
Supports 6 attributes and 8 expressions. It also supports face cutout settings: Face, and single inch photo. Three snapshot methods are also featured: Real-time snapshot, priority snapshot, and quality priority.

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.

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.

Technical Specification

Camera

Image Sensor	Panorama: 1/2.8" CMOS Detail: 1/2.8" CMOS
Pixel	Panorama: 4 MP Detail: 4 MP
Max. Resolution	Panorama: 3840 (H) × 1080 (V) Detail: 2560 (H) × 1440 (V)
ROM	Panorama: 4 GB Detail: 4 GB
RAM	Panorama: 1 GB Detail: 1 GB
Electronic Shutter Speed	Panorama: 1/1 s–1/10,000s Detail: 1/1s–1/30,000s
Scanning System	Progressive
Min. Illumination	Panorama: Color: 0.001 lux@F1.0 B/W: 0.0001 lux@F1.0 Detail: Color: 0.005 lux@F1.6 (1/25 s, 30 IRE, gain 100) B/W: 0.0005 lux@F1.6 (1/25 s, 30 IRE, gain 100) 0 Lux (IR on)
Illumination Distance	Panorama: 30 m (98.43 ft) (White light) Detail: 200 m (656.17 ft) (IR)
Illuminator On/Off Control	Zoom Prio; Manual; Smart IR; Off
Illuminator Number	Panorama: 4 (White light) Detail: 4 (IR), 2 (White light)

Lens

Focal Length	Panorama: 2.8 mm Detail: 4.8 mm–154 mm
Max. Aperture	Panorama: F1.0 Detail: F1.6–4.0
Field of View	Panorama: H: 180° ± 5°; V: 51° Detail: H: 55.8°–2.3°; V: 31.9°–1.3°; D: 63.7°–2.7°
Optical Zoom	Panorama: NA Detail: 32×
Focus Control	Panorama: NA Detail: Auto; semi-auto; manual
Close Focus Distance	Panorama: 0.3 m (0.98 ft) Detail: 0.8 m–5 m (2.62 ft–16.40 ft)
Iris Control	Panorama: Fixed Detail: Auto; manual

DORI Distance	Detect	Observe	Recognize	Identify
	Panorama: 38.6 m (126.64 ft) Detail: 3080 m (10104.99 ft)	Panorama: 15.3 m (50.20 ft) Detail: 1216.6 m (3991.47 ft)	Panorama: 7.7 m (25.26 ft) Detail: 616 m (2021.00 ft)	Panorama: 3.9 m (12.80 ft) Detail: 308 m (1010.50 ft)

*DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.

PTZ

Pan/Tilt Range	Detail: H: 0°–360° endless V: –20°–+90°
Manual Control Speed	Detail: Pan: 0.1°/s–160°/s Tilt: 0.1°/s–120°/s
Preset Speed	Detail: Pan: 240°/s; Tilt: 200°/s
Preset	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Yes
Idle Motion	Pattern;Preset;Scan;Tour
PTZ Protocol	DH-SD Pelco-P/D(Auto recognition)

Intelligence

IVS (Perimeter Protection)	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification; linkage tracking
Face Detection	Supports face detection, optimization, tracking, capturing pictures, uploading high-quality face snapshots, and face enhancement; Supports attributes extraction. 6 attributes and 8 expressions; Supports face cutout: Face, one-inch photo. Capturing strategies include real-time capturing, optimization, and quality first
Auto Tracking	Yes

Active Deterrence

Light Warning	Supports white light warning; the flashing time can be configured as: 5 to 30 seconds, and the frequency can be configured as high/medium/low
Sound Warning	A total of 11 audio alarm contents, and supports importing custom audio. The sound can be configured at three levels: high/medium/low, and the duration time can be configured as 5 to 30 seconds. 110 dB.

Video

Video Compression	H.264H;H.264B;Smart H.265+;H.265;MJPEG(Sub Stream);Smart H.264+;H.264M
Streaming Capability	3 streams
Resolution	Panorama: 3840 × 1080; 960 × 268; D1 (704 × 576/704× 480); VGA (640 × 480); CIF (352 × 288/352 × 240); Details: 2560 × 1440 (2560 × 1440); 3M (2048 × 1536); 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 Frame Rate	Panorama: 50 Hz Main stream (3840 × 1080@25 fps), Sub stream 1 (960 × 268@25 fps), Sub stream 1 (704 × 576@25 fps), Sub stream 1 (640 × 480@25 fps), Sub stream 1 (352 × 288@25 fps), Sub stream 2 (1920 × 540@25 fps), Sub stream 2 (1920 × 1080@25 fps), Sub stream 2 (1280 × 960@25 fps), Sub stream 2 (1280 × 720@25 fps) 60 Hz Main stream (3840 × 1080@30 fps), Sub stream 1 (960 × 268@30 fps), Sub stream 1 (704 × 576@30 fps), Sub stream 1 (640 × 480@30 fps), Sub stream 1 (352 × 288@30 fps), Sub stream 2 (1920 × 540@30 fps), Sub stream 2 (1920 × 1080@30 fps), Sub stream 2 (1280 × 960@30 fps), Sub stream 2 (1280 × 720@30 fps) Details: 50 Hz Main stream (2560 × 1440@25 fps), Main stream (2048 × 1536@25 fps), Main stream (2304 × 1296@25 fps), Main stream (1920 × 1080@25 fps), Main stream (1280 × 960@25 fps), Main stream (1280 × 720@25 fps) Sub stream 1 (704 × 576@25 fps), Sub stream 1 (640 × 480@25 fps), Sub stream 1 (352 × 288@25 fps), Sub stream 2 (1280 × 720@25 fps) 60 Hz Main stream (2560 × 1440@30 fps), Main stream (2048 × 1536@30 fps), Main stream (2304 × 1296@30 fps), Main stream (1920 × 1080@30 fps), Main stream (1280 × 960@30 fps), Main stream (1280 × 720@30 fps) Sub stream 1 (704 × 480@30 fps), Sub stream 1 (640 × 480@30 fps), Sub stream 1 (352 × 240@30 fps)Sub stream 2 (1280 × 720@30 fps)
Bit Rate Control	CBR/VBR
Video Bit Rate	Panorama: H.264: 2,816 kbps-13,824 kbps H.265: 1,024 kbps-8,192 kbps Detail: H.264: 2,816 kbps-13,056 kbps H.265: 1,024 kbps-7,936 kbps
Day/Night	Paronama: Auto (ICR)/Color/B/W Detail: Auto (ICR)/Color/B/W
BLC	Yes
WDR	Paronama: Yes Detail: Yes
HLC	Yes
White Balance	Panorama: Auto; indoor; outdoor; ATW; manual; sodium lamp; natural light; street lamp Detail: Auto; indoor; outdoor; ATW; manual; sodium lamp; natural light; street lamp
Gain Control	Paronama: Auto/manual Detail: Auto/manual
Noise Reduction	Paronama: 2D/3D noise reduction Detail: 2D/3D noise reduction
Motion Detection	Yes
Region of Interest (RoI)	Yes
Image Stabilization	Electronic Image Stabilization (EIS)
Defog	Paronama: Electronic Defog Detail: Electronic Defog
Digital Zoom	16×
Image Rotation	180°
S/N Ratio	Paronama: ≥55 dB Detail: ≥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;ONVIF (Profile S&G&T)
User/Host	20 (total bandwidth: 64 M)
Storage	FTP; Micro SD card (up to 512 G); NAS
Browser	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions iOS 10 and later versions
Management Software	DMSS;DSS Pro
Mobile Client	iOS;Android

Certification

Certifications	CE: DHQA-ESH-P22100890/DHQA-ESH-P22100654B-A1

Port

Audio Input	1 channel (LINE IN, bare wire)
Audio Output	1 channel (LINE OUT, bare wire)
Alarm Linkage	Capture; PTZ linkage (preset; tour; pattern); recording; alarm digital input; audio; send email
Alarm Event	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; SD card abnormal detection; memory space detection; tampering detection
Alarm I/O	2/1
Audio I/O	1/1

Power

Power Supply	36 VDC/2.23 A ± 25%
Power Consumption	Basic power consumption: 20 W Max. power consumption: 35 W (IR + heater + intelligent functions + PTZ working)

Environment

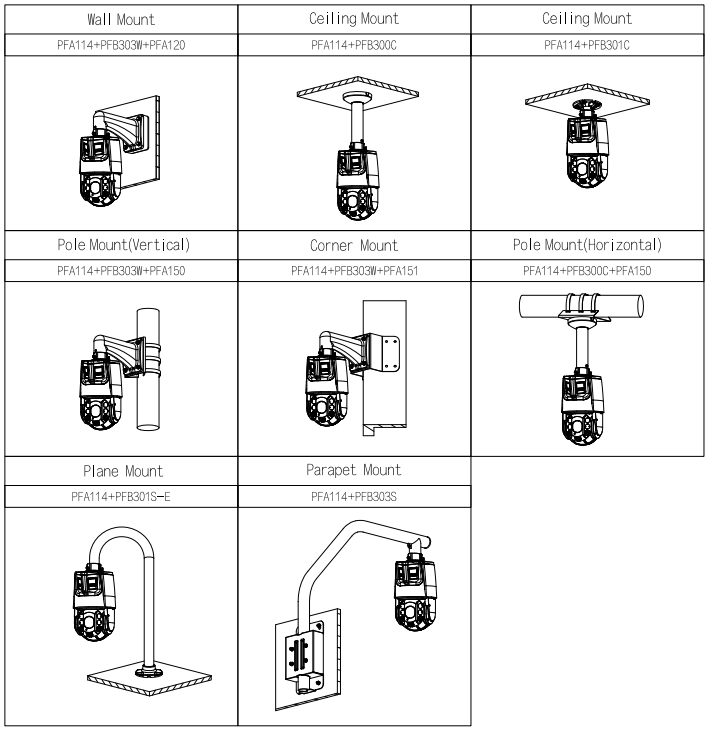
Operating Temperature	–40 °C to +65 °C (–40 °F to +149 °F)
Operating Humidity	≤95%
Protection	IP66

Structure

Casing Material	Plastic, aluminum alloy
Product Dimensions	247 mm × 202 mm × 359.8 mm (9.72" × 7.95" × 14.17") (L × W × H)
Net Weight	5.3 kg (11.68 lb)
Gross Weight	7.12 kg (15.70 lb)

Ordering Information

Type	Model	Description
4MP Camera	DH-SDT6C432-4P-GB-APV-0280	4MP 32× Dual Light Network Panoramic PTZ Camera
Accessories	DC36V/2.23A	Power Adapter
	PFA114	Mount Adapter
	PFB303W	Wall Mount Bracket
	PFB300C	Ceiling Mount Bracket
	PFB301C	Ceiling Mount Bracket
	PFA150	Vertical Pole Mount Bracket
	PFA151	Corner Mount Bracket
	PFA150 + PFB300C	Horizontal Pole Mount Bracket
	PFB301S-E	Plane Mount Bracket
	PFB303S	Parapet Mount Bracket



Accessories

Included:



DC36V/2.23A
Power Adapter



PFA114
Mount Adapter



PFB303W
Wall Mount Bracket

Optional:



PFB300C
Ceiling Mount Bracket



PFB301C
Ceiling Mount Bracket



PFA150
Vertical Pole Mount Bracket



PFA151
Corner Mount Bracket



PFA150 + PFB300C
Horizontal Pole Mount Bracket

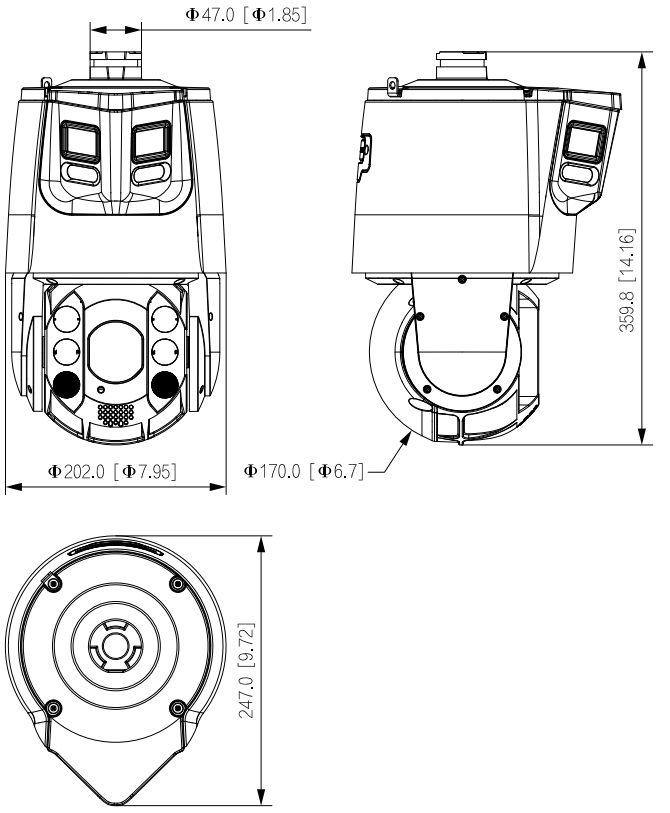


PFB301S-E
Plane Mount Bracket



PFB303S
Parapet Mount Bracket

Dimensions (mm[inch])



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