

# DH-SD6CE225DB-HNY 2MP 25 Starlight IR 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

#### 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.

#### **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.

#### 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.

- · Powerful 25x optical zoom.
- · Starlight+ Technology.
- · Max. 25/30fps@2MP.
- · IR distance up to 250 m.
- · Deep-learning-based perimeter protection.
- · PoE+.
- · IP67, IK10.



#### IVS

With advanced video algorithm, Dahua IVS technology supports intelligent functions, such as tripwire and intrusion.

#### Protection (IP67, TVS 8000 V)

IP67, TVS 8000 V lightning proof, surge protection, and voltage transient protection.

#### 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.

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Pelco-P/D (Auto recognition)

#### **Technical Specification** Intelligence Camera Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; 1/2.8"CMOS Image Sensor **IVS (Perimeter Protection)** parking detection; people gathering; vehicle/human alarm classification 2 MP Pixel Max. Resolution 1920 (H) × 1080 (V) Supports face detection, face bounding box, capturing snapshots, and enhancing face images. Face cutout is 128 MB ROM also offered, where you can cutout one face at a time Face Detection and customize the size to be a one-inch photo. The 512 MB RAM supported methods for capturing snapshots are realtime capturing, and quality first. **Electronic Shutter Speed** 1/1 s-1/30,000 s SMD Yes Scanning System Progressive Video Color: 0.005 lux@F1.6 B/W·0.0005 lux@F1.6 Min. Illumination H.264H; H.264B; Smart H.265+; H.264; H.265; 0 lux (IR light/laser on) Video Compression MJPEG(Sub Stream); Smart H.264+ 250 m (656.17 ft) (IR) Illumination Distance Streaming Capability 3 streams Illuminator On/Off Control Zoom Prio; Manual; Smart IR; Off 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × Resolution 720); D1 (704 × 576); CIF (352 × 288); VGA (640 × 480) Illuminator Number 6 (IR) Main stream: 1080p/1.3M/720p@(1-25/30 fps) Lens Video Frame Rate Sub stream 1: D1/VGA/CIF@(1-25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1-25/30 fps) 4.8 mm-120 mm **Focal Length** Max. Aperture F1.6-F3.5 CBR/VBR Bit Rate Control H: 58.5°-2.8°; V: 33.2°-1.5°; D: 67.5°-3.2° Field of View H.264: 2048 Kbps-8192 Kbps Video Bit Rate H.265: 768 Kbps-6400 Kbps **Optical Zoom** 25× Auto (ICR)/Color/B/W Day/Night **Focus** Control Auto; semi-auto; manual BLC Yes **Close Focus Distance** 0.1 m-1.0 m (0.34 ft-3.28 ft) WDR 120dB Iris Control Auto; manual HLC Yes Detect Observe Recognize Identify Auto; indoor; outdoor; tracking; manual; sodium White Balance lamp; natural light; street lamp **DORI** Distance 1.655.2 m 653.8 m 331.0 m 165 5m (5430.36 ft) (2145.00 ft) (1,086.07 ft) (543.04 ft) Gain Control Auto; manual PTZ 2D NR; 3D NR Noise Reduction Pan: 0° to 360° endless Motion Detection Yes Pan/Tilt Range Tilt: -20° to +90°, auto flip 180° Region of Interest (Rol) Yes Pan: 0.1°/s-200°/s Manual Control Speed Tilt: 0.1°/s-120°/s Image Stabilization Electronic (EIS) Pan: 300°/s; Tilt: 200°/s Preset Speed Defog Electronic Preset 300 **Digital Zoom** 16× Tour 8 (up to 32 presets per tour) 180 **Image Rotation** Pattern 5 Up to 24 areas can be set, with up to 8 areas in the Privacy Masking same view; multiple colors and mosaics available 5 Scan S/N Ratio ≥ 55 dB Power-off Memory Yes Audio Idle Motion Pattern; Preset; Scan; Tour G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; DH-SD Audio Compression PTZ Protocol G723; PCM

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#### Network

Network	
Network Port	RJ-45 (10/100 Base-T)
Network Protocol	TCP; FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; IP Filter; SMB; HTTP; SSL; DHCP; SMTP; SNMPv1/v2c/v3(MIB-2); Qos; RTSP; ARP
Interoperability	CGI; Dahua SDK; API; SDK; ONVIF(Profile S&G&T)
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth: 64 M)
Storage	DMSS; FTP; Micro SD card (512 GB); NAS
Browser	IE 7 and later versions Chrome 45 and later versions Firefox 52 ESR and earlier versions Safari
Management Software	Player; DSS; Smart Player; DMSS; Easy4ip; ConfigTool; NVR; Smart PSS; IVSS
Mobile Client	iPhone; iPad; iOS; Android
Port	
Analog Output	1 channel (CVBS output, BNC)
RS-485	1 (baud rate: 1200 bps-9600 bps)
Audio Input	1 channel
Audio Output	1 channel
Alarm Linkage	Capture; preset; tour; pattern; recording; alarm digital input; send email
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection
Alarm I/O	7/2
Audio I/O	1/1
Power	
Power Supply	24 VDC/2.5 A ± 25% PoE+ (802.3at)
Power Consumption	Basic: 14.0W Max.: 25.2 W (illuminator + Al functions)
Environment	
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Operating Humidity	≤ 95%
Protection	IP67, IK10, TVS 8000 V lightning proof; surge protection; voltage transient protection
Structure	
Product Dimensions	337.4 mm × Φ209.1 mm (13.28" × Φ8.23")
Net Weight	5.8 kg (12.79 lb)

Ordering Information					
Туре	Model	Description			
2MP PTZ Camera	DH-SD6CE225DB-HNY	2MP 25x Starlight IR PTZ Network Camera, WDR, PAL			
	SD6CE225DB-HNY	2MP 25x Starlight IR PTZ Network Camera, WDR, PAL			
Accessories	PFB305W	Wall Mount Bracket			
	DC 24 V/2.5 A	Power Adapter			
	PFA111	Mount Adapter			
	PFA140	Power Box			
	PFB300C	Ceiling Mount Bracket			
	PFA120	Junction Box			
	PFA150	Pole Mount Bracket			
	PFA151	Corner Mount Bracket			
	PFB303S	Parapet Mount Bracket			
	PFB301S-E	Plane Mount Bracket			
	PFM900-E	Integrated Mount Tester			
	TF-P100	MicroSD Memory Card			

### Accessories



### Optional:



PFA111

PFA120

Junction Box

Mount Adapter

PFA140 Power Box



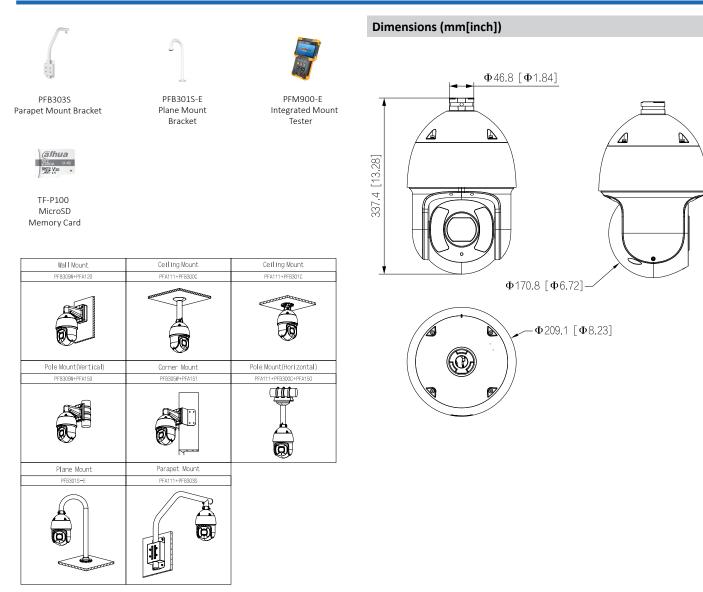
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PFA150 Pole Mount Bracket

PFB300C

Ceiling Mount Bracket

PFA151 Corner Mount Bracket



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