

DH-SD6CE225DB-HNY

2MP 25x Startlight 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.
- · SMD 3.0.
- · 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.

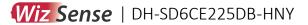
Smart H.265+ & Smart H.264+

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.

SMD 3.0

Empowered by deep-learning algorithms, Dahua SMD filters out motion detection alarms triggered by targets that are not a concern. It quickly recognizes humans and vehicles, triggering alarms when an intrusion occurs.

Technical Specification			Supports face detection, face bounding box, capturing
Camera		Face Detection	snapshots, and enhancing face images. 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
Image Sensor	1/2.8"CMOS		supported methods for capturing snapshots are real- time capturing, and quality first
Pixel	2 MP	SMD	SMD 3.0
Max. Resolution	1920 (H) × 1080 (V)		It triggers the IVS rule when a target is detected and
ROM	128 MB	Auto Patrol	makes the camera link with the PTZ to rotate to the position of the target and patrol based on its presets
RAM	512 MB	Video	
Electronic Shutter Speed	1/1 s-1/30,000 s	Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG(Sub Stream); Smart H.264+
Scanning System	Progressive	Streaming Capability	3 streams
Min. Illumination	Color: 0.005 lux@F1.6 B/W: 0.0005 lux@F1.6 0 lux (IR light)	Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576); CIF (352 × 288); VGA (640 × 480)
Illumination Distance	250 m (656.17 ft) (IR) 6 (IR)	Video Frame Rate	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)
Illuminator Number Lens	O (IIV)	Bit Rate Control	CBR/VBR
Focal Length	4.8 mm-120 mm	Video Bit Rate	H.264: 2048 Kbps-8192 Kbps
Max. Aperture	F1.6-F3.5		H.265: 768 Kbps-6400 Kbps
Field of View	H: 58.5°–2.8°; V: 33.2°–1.5°; D: 67.5°–3.2°	Day/Night BLC	Auto (ICR)/Color/B/W Yes
Optical Zoom	25×	WDR	120dB
Focus Control	Auto; semi-auto; manual	HLC	Yes
Close Focus Distance	0.1 m-1.0 m (0.34 ft-3.28 ft)		Auto; indoor; outdoor; tracking; manual; sodium
Iris Control	Auto; manual	White Balance	lamp; natural light; street lamp
	Detect Observe Recognize Identify	Gain Control	Auto; manual
DORI Distance	1655.2 m 653.8 m 331.0 m 165.5m	Noise Reduction	2D NR; 3D NR
	(5430.36 ft) (2145.00 ft) (1,086.07 ft) (543.04 ft)	Motion Detection	Yes
PTZ		Region of Interest (RoI)	Yes
Pan/Tilt Range	Pan: 0° to 360° endless Tilt: –20° to +90°, auto flip 180°	Image Stabilization	Electronic (EIS)
Manual Control Speed	Pan: 0.1°/s=200°/s	Defog	Electronic
·	Tilt: 0.1°/s–120°/s	Digital Zoom	16×
Preset Speed	Pan: 300°/s; Tilt: 200°/s	Image Rotation	180°
Preset	300	Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view;multiple colors available
Tour	8 (up to 32 presets per tour)	S/N Ratio	≥ 55 dB
Pattern	5	Audio	
Scan	5	Audio Compression	G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G723; PCM
Power-off Memory	Yes	Network	-,
Idle Motion	Pattern; Preset; Scan; Tour DH-SD	Network Port	RJ-45 (10/100 Base-T)
PTZ Protocol	Pelco-P/D (Auto recognition)	TCP; FTP; RTMP; IPv6; I	TCP; FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP;
Intelligence Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification		Network Protocol	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	DMSS; DSS Pro
Mobile Client	iPhone; iPad; iOS; Android
Certification	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
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 +60 °C (-40 °F to +140 °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)
Gross Weight	9.4 kg (20.72 lb)

Ordering Information		
Туре	Model	Description
2MP PTZ	DH-SD6CE225DB-HNY	2MP 25x Starlight IR PTZ Network Camera, WDR, PAL
Camera	SD6CE225DB-HNY	2MP 25x Starlight IR PTZ Network Camera, WDR, PAL
	PFB305W	Wall Mount Bracket
	DC 24 V/2.5 A	Power Adapter
	PFA111	Mount Adapter
	PFA140	Power Box
	PFB300C	Ceiling Mount Bracket
Accessories	PFA120	Junction Box
Accessories	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

Included:







DC24V/2.5A Power Adapter

Optional:



PFA111 Mount Adapter



PFA140 Power Box



PFB300C Ceiling Mount Bracket



PFA120 Junction Box



PFA150 Pole Mount Bracket



PFA151 Corner Mount Bracket







PFB301S-E Plane Mount Bracket



PFM900-E Integrated Mount Tester



TF-P100 MicroSD Memory Card

Wall Mount	Ceiling Mount	Ceiling Mount
PFB305W+PFA120	PFA111+PFB300C	PFA111+PFB301C
Pole Mount(Vertical)	Corner Mount	Pole Mount(Horizontal)
PFB305W+PFA150	PFB305W+PFA151	PFA111+PFB300C+PFA150
Plane Mount	Parapet Mount	
PFB301S=E	PFA111+PFB303S	

Dimensions (mm[inch])

