

DH-SD5A825GA-HNR-Black

8MP 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

Unique and elegant, the black semicircular sphere discreetly monitors from a distance without drawing undue attention to itself. It has a powerful optical zoom, and accurate pan, tilt and zoom capabilities, providing 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, and True WDR for locations with direct sunlight and glare.

Functions

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.

Starlight+ Technology

For challenging low-light conditions, Dahua's Starlight Ultra-low Light Technology offers the best in light sensitivity, capturing color in vivid detail, even in lighting as low as 0.001 lux. The camera uses a set of optical features to balance light throughout the scene, producing clear images in dark environments.

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.

- 1/1.8" 8Megapixel CMOS.
- · Powerful 25x optical zoom.
- · Starlight+ Technology.
- · Max. 25/30fps@8MP.
- IR distance up to 150 m.
- · Deep-learning-based perimeter protection.
- · Auto Tracking 3.0.
- SMD 4.0.
- · Quick Pick.
- · PoE+.
- IP67, IK10.













Interoperability

The camera conforms to ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of the manufacturer.

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.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, a flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality videos without straining the network. Smart H.265+ technology outranks standard H.265 video compression, reducing bit rate and storage requirements by up to 70%.

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.

| Technical Specification | | | | | | Supports face detection, face bounding box, capturing |
|--|---|--------------|--------------|-------------------|---|--|
| Camera | | | | | | snapshots, uploading face snapshots, enhancing face images, and selecting a preferred image among |
| Image Sensor | 1/1.8" CMOS | | | | | a group of snapshots. Attribute Extraction is also supported, where 6 attributes and 8 expressions can |
| Pixel | 4K | | | | Face Detection | be detected. The attributes are gender, age, glasses, mask, mustache and expressions. The expressions |
| Max. Resolution | 3840(H) x 216 | 60(V) | | | | 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 |
| ROM | 4 GB | | | | | to be a one-inch photo. The supported methods for capturing snapshots are real-time capturing, quality |
| RAM | 1 GB | | | | | first, and selecting a preferred image among a group of snapshots. |
| Electronic Shutter Speed | 1 s-1/30,000 | S | | | Auto Tracking | Yes |
| Scanning System | Progressive | | | | Quick Pick | With AI NVR, quickly pick up the human/vehicle |
| Min. Illumination | Color: 0.005 lux@F1.6 B/W: 0.0005 lux@F1.6 0 lux@F1.6 (IR light on) | | | | SMD | targets that users are interested in from SMD events. Yes |
| Illumination Distance | 150 m (492.13 ft) (IR) | | | | Video | |
| Illuminator On/Off Control | Zoom Prio; Manual; Auto; Off | | | | Video Compression | H.265; H.264B; H.264; H.264H; MJPEG(Sub Stream 1); smart H.265+; smart H.264+ |
| Illuminator Number | 4 (IR) | | | | Streaming Capability | 3 streams |
| Lens | 5.4 mm-135 mm | | | | Resolution | 4K (3840 × 2160); 4M (2560 × 1440); 3M (2048 × 1536); 1080p (1920 × 1080); 960p (1920 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × |
| Focal Length | | nm | | | | 288/352 × 240); VGA (640 × 480) |
| Max. Aperture Field of View | F1.6–F4.0 | | | | Video Frame Rate | Main stream: 8M/4M/3M/1080p/1.3M/720p (1–25/30 fps) Sub stream 1: D1/CIF/VGA (1–25/30 fps) |
| | H: 61.6°–3.6°; V: 35.7°–2°; D: 66.6°–4° | | | | | Sub stream 2: 1080p/1.3M/720p (1–25/30 fps) |
| Optical Zoom Focus Control | Autor comi cutor manual | | | | Bit Rate Control | CBR/VBR |
| Close Focus Distance | Auto; semi-auto; manual | | | | Video Bit Rate | H.264: 128 kbps–16,384 kbps H.265: 51 kbps–12,288 kbps |
| Iris Control | 0.1 m–2 m Auto; manual; fixed | | | | Day/Night | Auto (ICR)/Color/B/W |
| iris control | Detect | Observe | Recognize | Identify | BLC | Yes |
| DORI Distance | 2700 m | 1066 m | 540 m | 270 m | WDR | 120 dB |
| | (8858.27 ft) | (3497.38 ft) | (1771.65 ft) | (885.83 ft) | HLC | Yes |
| PTZ | | | | | White Balance | Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp |
| Pan/Tilt Range | Pan: 0° to 360° endless Tilt: –15° to +90°, auto flip 180° | | | | Gain Control | Auto; manual |
| Manual Control Speed | Pan: 0.1°/s-300°/s Tilt: 0.1°/s-140°/s | | | | Noise Reduction | 2D NR; 3D NR |
| Preset Speed | Pan: 400°/s; Tilt: 300°/s | | | | Motion Detection | Yes |
| Preset | 300 | | | | Region of Interest (RoI) | Yes |
| Tour | 8 (up to 32 presets per tour) | | | | Image Stabilization | Electronic(EIS) |
| Pattern | 5 | | | | Defog | Electronic |
| Scan | 5 | | | | Digital Zoom | 16× |
| Power-off Memory | Yes | | | | Image Rotation | 180° |
| Idle Motion | Pattern; Preset; Scan; Tour | | | | Privacy Masking | Up to 24 areas can be set, with up to 8 areas in the same view; |
| PTZ Protocol DH-SD Pelco-P/D (Auto recognition) | | | | | S/N Ratio | multiple colors available ≥ 55 dB |
| Intelligence Tripwire; intrusion; climbing fences; loitering | | | | ing | Audio | _ 55 db |
| IVS (Perimeter Protection) IVS (Perimeter Protection) ripwire; intrusion; climbing fences; ioitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification; linkage tracking | | | t moving; | Audio Compression | PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723 | |

| Network Protocol NFS; ICMP; UDP; iGMP; HTTP; SSL; DHCP; SMTP; Qos; RTSP; ARP Interoperability ONVIF(Profile S&G&T); CGI; SDK Streaming Method Unicast/Multicast User/Host 20 (total bandwidth: 64 M) Storage Micro SD card (512 GB); FTP/SFTP; NAS IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions Safari 10 and later versions Management Software DMSS; DSS Pro Mobile Client iOS; Android Certification Ce: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1 Port Audio Input 1 channel (LINE IN, bare wire) Audio Output 1 channel (LINE OUT, bare wire) | Network | | |
|--|-----------------------|--|--|
| Network Protocol NTP, RTP, 802.1s, HTTPs, SNAMP, TCP/IPp, DDNS, UPPP, MFS; ICMPP, UDP; IGMP, HTTP, SSI; DHCP; SMTP; Qos; RTSP; ARP Interoperability ONVIF(Profile S&G&T); CGI; SDK 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 Safari 10 and later versions Management Software DMSS; DSS Pro Mobile Client IOS; Android Certification CE: ENS5032/ENS5024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UI: ULG0950-1+CAN/CSA C22.2, No.60950-1 Port Audio Input 1 channel (LINE IN, bare wire) Audio Output 1 channel (LINE OUT, bare wire) Alarm Linkage Capture; recordings; send email; preset; tour; pattern alarm digital input Alarm Event Motion/Lampering detection; audio detection; nemory space detection Alarm I/O 2/1 Audio I/O 1/1 Power Supply 24 VDC/2.5 A ± 25% Pof+ (802.3at) Power Gonsumption Basic: 12 W Max: 21 W (IR light + PTZ) Environment Operating Humidity ≤ 95% Storage Temperature | Network Port | RJ-45 (10/100 Base-T) | |
| Unicast/Multicast User/Host 20 (total bandwidth: 64 M) Storage Micro SD card (512 GB); FTP/SFTP; NAS Browser Chrome 41 and later versions Firefox 50 and later versions Firefox 50 and later versions Safari 10 and later versions Management Software DMSS; DSS Pro Mobile Client Certification Certification Certifications CE: ENSS032/ENSS024/ENS0130-4 FCC: Part15 subpart8, ANSI (63.4-2014 UI: UL60950-1+CAN/CSA C22.2, No.60950-1 Port Audio Input 1 channel (LINE IN, bare wire) Audio Output 1 channel (LINE OUT, bare wire) Alarm Linkage Capture; recordings; send email; preset; tour; pattern alarm digital input Motion/tampering detection; audio detection; network disconnection detection; iP conflict detection; memory card status detection; memory space detection Alarm I/O 2/1 Audio I/O 1/1 Power Power Supply 24 VDC/2.5 A ± 25% Pof+ (802.3at) Basic: 12 W Max: 21 W (IR light + PTZ) Environment Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity 59% Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity 59% Protection Product Dimensions O190 mm × 332 mm (07.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Network Protocol | NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; HTTP; SSL; DHCP; SMTP; Qos; | |
| User/Host Storage Micro SD card (512 GB); FTP/SFTP; NAS If 9 and later versions Chrome 41 and later versions Firefox 50 and later versions Safari 10 and later versions Management Software DMSS; DSS Pro Mobile Client Certification Certification Certifications Certifications Certifications Certifications Certifications Certifications Certifications I channel (LINE IN, bare wire) Audio Input I channel (LINE IN, bare wire) Audio Output I channel (LINE OUT, bare wire) Alarm Linkage Capture; recordings; send email; preset; tour; pattern alarm digital input Alarm Event Motion/tampering detection; audio detection; nemory card status detection; memory space detection Alarm I/O 2/1 Audio I/O 1/1 Power Power Supply Audio I/O Power Power Consumption Basic: 12 W Max: 21 W (IR light + PTZ) Environment Operating Temperature -40 *C to +70 *C (-40 *F to +158 *F) Storage Temperature -40 *C to +70 *C (-40 *F to +158 *F) Storage Humidity \$ 95% Protection Product Dimensions Op190 mm × 332 mm (Ф7.48" × 13.07") Net Weight A 7 kg (10.36 lb) | Interoperability | ONVIF(Profile S&G&T);CGI;SDK | |
| Storage Micro SD card (\$12 GB); FTP/SFTP; NAS IE 9 and later versions | Streaming Method | Unicast/Multicast | |
| Browser IE 9 and later versions Chrome 41 and later versions Safari 10 and later versi | User/Host | 20 (total bandwidth: 64 M) | |
| Browser Chrome 41 and later versions Safari 10 and later versions Management Software DMSS; DSS Pro Mobile Client iOS; Android Certification CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UI: UL60950-1+CAN/CSA C22.2,No.60950-1 Port Audio Input 1 channel (LINE IN, bare wire) Audio Output 1 channel (LINE OUT, bare wire) Alarm Linkage Capture; recordings; send email; preset; tour; pattern alarm digital input Alarm Event Motion/tampering detection; audio detection; network disconnection detection; permory space detection Alarm I/O 2/1 Audio I/O 1/1 Power 24 VDC/2.5 A ± 25% Pof+ (802.3at) Power Consumption Basic: 12 W Max: 21 W (IR light + PTZ) Environment Operating Temperature −40 °C to +70 °C (−40 °F to +158 °F) Operating Humidity ≤ 95% Storage Temperature −40 °C to +70 °C (−40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Storage | Micro SD card (512 GB); FTP/SFTP; NAS | |
| Mobile Client Certification Certification Certification CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UI: UL60950-1+CAN/CSA C22.2,No.60950-1 Port Audio Input 1 channel (LINE IN, bare wire) Alarm Linkage Capture; recordings; send email; preset; tour; pattern alarm digital input Alarm Event Motion/tampering detection; audio detection; memory card status detection; memory space detection Alarm I/O 2/1 Audio I/O 1/1 Power Power Supply 24 VDC/2.5 A ± 25% PoE+ (802.3at) Power Consumption Basic: 12 W Max.: 21 W (IR light + PTZ) Environment Operating Temperature −40 °C to +70 °C (−40 °F to +158 °F) Storage Temperature −40 °C to +70 °C (−40 °F to +158 °F) Storage Humidity ≤ 95% Storage Humidity ≤ 95% Protection Protection Structure Product Dimensions Ф190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Browser | Chrome 41 and later versions Firefox 50 and later versions | |
| Certification Certifications CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1 Port Audio Input 1 channel (LINE IN, bare wire) Alarm Linkage Capture; recordings; send email; preset; tour; pattern alarm digital input Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection Alarm I/O 2/1 Audio I/O Power Power Supply 24 VDC/2.5 A ± 25% PoE+ (802.3at) Power Consumption Basic: 12 W Max.: 21 W (IR light + PTZ) Environment Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity \$95% Protection Protection Structure Product Dimensions Ф190 mm × 332 mm (Ф7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Management Software | DMSS; DSS Pro | |
| Certifications CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UI: UL60950-1+CAN/CSA C22.2, No.60950-1 Port Audio Input 1 channel (LINE IN, bare wire) Audio Output 1 channel (LINE OUT, bare wire) Alarm Linkage Alarm Event Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection Alarm I/O 2/1 Audio I/O 1/1 Power Power Supply Power Consumption Basic: 12 W Max: 21 W (IR light + PTZ) Environment Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) | Mobile Client | iOS; Android | |
| Certifications FCC: Part15 subpartB, ANSI C63.4-2014 UI: UL60950-1+CAN/CSA C22.2,No.60950-1 Port Audio Input 1 channel (LINE IN, bare wire) Audio Output 1 channel (LINE OUT, bare wire) Alarm Linkage Capture; recordings; send email; preset; tour; pattern alarm digital input Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection Alarm I/O 2/1 Audio I/O 1/1 Power 24 VDC/2.5 A ± 25% PoE+(802.3at) Power Consumption Basic: 12 W Max:: 21 W (IR light + PTZ) Environment Operating Temperature −40 °C to +70 °C (−40 °F to +158 °F) Operating Humidity ≤ 95% Storage Temperature −40 °C to +70 °C (−40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Certification | | |
| Audio Input 1 channel (LINE IN, bare wire) Audio Output 1 channel (LINE OUT, bare wire) Capture; recordings; send email; preset; tour; pattern alarm digital input Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection Alarm I/O 2/1 Audio I/O Power Power Supply 24 VDC/2.5 A ± 25% PoE+ (802.3at) Power Consumption Basic: 12 W Max.: 21 W (IR light + PTZ) Environment Operating Temperature -40 °C to +70 °C (−40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (−40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Ф190 mm × 332 mm (Ф7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Certifications | FCC: Part15 subpartB, ANSI C63.4-2014 | |
| Audio Output 1 channel (LINE OUT, bare wire) Capture; recordings; send email; preset; tour; pattern alarm digital input Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection Alarm I/O 2/1 Audio I/O 1/1 Power Power Supply 24 VDC/2.5 A ± 25% PoE+ (802.3at) Power Consumption Basic: 12 W Max.: 21 W (IR light + PTZ) Environment Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Ф190 mm × 332 mm (Ф7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Port | | |
| Alarm Linkage Capture; recordings; send email; preset; tour; pattern alarm digital input Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection Alarm I/O 2/1 Audio I/O 1/1 Power Power Supply Power Consumption Basic: 12 W Max.: 21 W (IR light + PTZ) Environment Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity \$ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight | Audio Input | 1 channel (LINE IN, bare wire) | |
| Alarm Linkage alarm digital input Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection Alarm I/O 2/1 Audio I/O 1/1 Power 24 VDC/2.5 A ± 25% PoE+ (802.3at) Power Consumption Basic: 12 W Max.: 21 W (IR light + PTZ) Environment -40 °C to +70 °C (-40 °F to +158 °F) Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Audio Output | 1 channel (LINE OUT, bare wire) | |
| Alarm Event network disconnection detection; IP conflict detection; memory card status detection; memory space detection Alarm I/O 2/1 Audio I/O 1/1 Power 24 VDC/2.5 A ± 25% PoE+ (802.3at) Power Supply Basic: 12 W Max: 21 W (IR light + PTZ) Environment Operating Temperature Operating Humidity ≤ 95% Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Alarm Linkage | Capture; recordings; send email; preset; tour; pattern; alarm digital input | |
| Audio I/O Power Power Supply Power Consumption Basic: 12 W Max.: 21 W (IR light + PTZ) Environment Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F) Operating Humidity ≤ 95% Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Ф190 mm × 332 mm (Ф7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Alarm Event | network disconnection detection; IP conflict detection; memory card status detection; memory | |
| Power Supply 24 VDC/2.5 A ± 25% PoE+ (802.3at) Power Consumption Basic: 12 W Max.: 21 W (IR light + PTZ) Environment Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F) Operating Humidity ≤ 95% Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Ф190 mm × 332 mm (Ф7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Alarm I/O | 2/1 | |
| Power Supply 24 VDC/2.5 A ± 25% PoE+ (802.3at) Power Consumption Basic: 12 W Max.: 21 W (IR light + PTZ) Environment -40 °C to +70 °C (-40 °F to +158 °F) Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Audio I/O | 1/1 | |
| Power Supply PoE+ (802.3at) Power Consumption Basic: 12 W Max.: 21 W (IR light + PTZ) Environment -40 °C to +70 °C (-40 °F to +158 °F) Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Power | | |
| Power Consumption Max.: 21 W (IR light + PTZ) Environment —40 °C to +70 °C (−40 °F to +158 °F) Operating Temperature —40 °C to +70 °C (−40 °F to +158 °F) Storage Temperature —40 °C to +70 °C (−40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Power Supply | | |
| Operating Temperature −40 °C to +70 °C (−40 °F to +158 °F) Operating Humidity ≤ 95% Storage Temperature −40 °C to +70 °C (−40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Power Consumption | | |
| Operating Humidity ≤ 95% Storage Temperature −40 °C to +70 °C (−40 °F to +158 °F) Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Environment | | |
| Storage Temperature −40 °C to +70 °C (−40 °F to +158 °F) Storage Humidity ≤ 95% Protection | Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) | |
| Storage Humidity ≤ 95% Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Operating Humidity | ≤ 95% | |
| Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection Structure Product Dimensions Ф190 mm × 332 mm (Ф7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) | |
| Protection protection; voltage transient protection Structure Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Storage Humidity | ≤ 95% | |
| Product Dimensions Φ190 mm × 332 mm (Φ7.48" × 13.07") Net Weight 4.7 kg (10.36 lb) | Protection | | |
| Net Weight 4.7 kg (10.36 lb) | Structure | | |
| | Product Dimensions | Φ190 mm × 332 mm (Φ7.48" × 13.07") | |
| Gross Weight 8.0 kg (17.64 lb) | Net Weight | 4.7 kg (10.36 lb) | |
| | Gross Weight | 8.0 kg (17.64 lb) | |

| Ordering Information | | | | | | | |
|-------------------------------|----------------------------|---|--|--|--|--|--|
| Туре | Model | Description | | | | | |
| 8MP WizSense PTZ Camera | DH-SD5A825GA-HNR- Black | 8MP 25x Starlight IR WizSense Network PTZ Camera | | | | | |
| | SD5A825GA-HNR-Black | 8MP 25x Starlight IR WizSense Network PTZ Camera | | | | | |
| | PFB305W-B | Wall Mount Bracket | | | | | |
| | DC 24 V/2.5 A | Power Adapter | | | | | |
| | PFA111-B | Mount Adapter | | | | | |
| | PFA6400S-B | Power Box | | | | | |
| Accessories | PFB300C-B | Ceiling Mount Bracket | | | | | |
| | PFA120-B | Junction Box | | | | | |
| | PFA150-B | Pole Mount Bracket | | | | | |
| | PFA151-B | Corner Mount Bracket | | | | | |
| | PFB303S-B | Parapet Mount Bracket | | | | | |

Accessories

Included:





PFB305W-B Wall Mount Bracket

DC 24 V/2.5 A Power Adapter

Optional:







PFA6400S-B Power Box



PFB300C-B Ceiling Mount Bracket



PFA120-B Junction Box



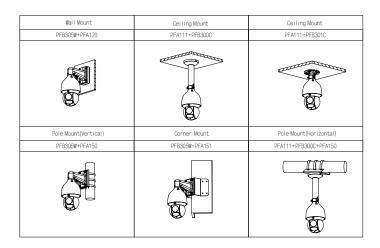
PFA150-B Pole Mount Bracket



PFA151-B Corner Mount Bracket



PFB303S-B Pole Mount Bracket



Dimensions (mm[inch])

