

# DH-SD5A825GB-HNR

8MP 25× 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.

#### **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

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.

- · 1/2.8" 8Megapixel CMOS.
- · Powerful 25× optical zoom.
- · Starlight Technology.
- · Max. 25/30fps@8MP.
- · IR distance up to 150 m.
- · Deep-learning-based perimeter protection.
- · Auto-tracking 3.0 and IVS.
- · PoE+.
- · IP67, IK10.
- · SMD 4.0.













#### 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.

#### **Face Detection**

Supports 6 attributes and 8 expressions: Gender, age, glasses, face mask, beard and expressions (anger, sadness, disgust, fear, surprise, calm, happiness, and confusion). 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.

#### **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.

#### Protection (IP67, TVS 6000 V)

IP67, TVS 6000 V lightning proof, surge protection, and voltage transient protection.

#### **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, capturing snapshots, uploading face snapshots, enhancing face images,
Camera		Face Detection	and selecting a preferred image among a group of snapshots. Attribute extraction is also supported.
Image Sensor	1/2.8" CMOS	Uses advanced image processing technology to extract depth information from images. The extract	
Pixel	8 MP	information is then processed by advanced	information is then processed by advanced, deep learning algorithms to analyze and detect human
Max. Resolution	3840 (H) × 2160 (V)		bodies, and track targets in real time. The camera provides statistics for separate individuals' entrance and exit with up to 95% counting accuracy.
ROM	4 GB	Auto Tracking	Yes
RAM	1 GB	SMD	SMD 4.0
Electronic Shutter Speed	1s-1/30,000s	31410	It triggers the IVS rule when a target is detected and
Scanning System	Progressive	Auto Patrol	makes the camera link with the PTZ to rotate to the position of the target and patrol based on its presets.
Min. Illumination	0.005 lux@F1.6 (Color, 30 IRE); 0.0005 lux@F1.6 (B/W, 30 IRE); 0 lux (IR light on)	Video	position of the target and patrol based of its presents.
Illumination Distance	150 m (492.13 ft) (IR)	Video Compression	H.264H;H.264B;Smart H.265+;H.264;H.265;Smart H.264+;MJPEG
Illuminator On/Off Control	Zoom Prio; manual; auto; off	Streaming Capability	3 streams
Illuminator Number	4 (IR)		4K (3840 × 2160); 4M (2560 × 1440); 3M (2048 ×
Lens		Resolution	1536); 3M (2304 × 1296); 1080p (1920 × 1080); 960p (1920 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240); VGA (640 × 480)
Focal Length	5 mm-125 mm		Main stream: 4K/4M/3M/1080p/1.3M/720p @
Max. Aperture Field of View	F1.6–F3.6 Video Frame Rate (1–25/30 fps) Sub stream 1: D1/CIF/VGA @ (1–25/3		(1–25/30 fps) Sub stream 1: D1/CIF/VGA @ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps)
Optical Zoom	25×	Bit Rate Control	CBR/VBR
Focus Control	Auto; semi-auto; manual	Video Bit Rate	H264: 128 kbps–16384 kbps
Close Focus Distance	0.1 m-2 m (0.33 ft-6.6 ft)		H265: 51 kbps–12288 kbps
Iris Control	Auto; manual	Day/Night BLC	Auto (ICR)/Color/B/W Yes
DORI Distance	Detect Observe Recognize Identify		
	3,333.3 m 1,316.7 m 6666.7 m 333.3 m (10,936.02 ft) (4,319.88 ft) (2,187.34 ft) (1,093.50 ft)	WDR	DWDR
PTZ	(10,550.0211) (4,515.0811) (2,167.5411) (1,055.5011)	HLC	Yes  Auto; indoor; outdoor; tracking; manual; sodium
	Pan: 0° to 360° endless; Tilt: –15° to +90°, auto flip	White Balance	lamp; natural light; street lamp
Pan/Tilt Range	180° Pan: 0.1°/s-300°/s	Gain Control	Auto; manual
Manual Control Speed	Tilt: 0.1%-200%	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	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)		multiple colors available
Intelligence		S/N Ratio	≥55 dB
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	Audio	
		Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723

Network Protocol       RJ-45 (10/100 Base-T)         Network Protocol       FTP,RTMP,IPV6,Bonjour;IPV4;DNS;RTCP,IPPDOE,SITP,RTP,RD8,21x,HTTP;SSLQHCP;DNNS;ICNPP,UDP,ISS,ICNPP,ISS,ICNPP,UDP,ISS,ICNPP,UDP,ISS,ICNP,ISS,ICNP,ISS,IC	Network				
Network Protocol         TP,802.1x;HTTP,SSL,DHCP;DDNS;UPP,PNES;CMP; UDP;GMP;HTTP;SSL,DHCP;SMTP;Qos;RTSP;ARP           Interoperability         CG;SDK;ONVIF (Profile S&G&T)           Streaming Method         Unicast/Multicast           User/Host         20 (total bandwidth: 64 M)           Storage         Micro SD card (S12 GB); FTP/SFTP; NAS           IE 9 and later versions         IE 9 and later versions           Frefox 50 and later versions         Safarial Jan and later versions           Management Software         DSS;DMSS;Easy4ip;Smart PSS;IVSS           Mobile Client         IOS;Android           Certification         CE: ENSSO32/ENSSO24/ENSO130-4           FCC: Part15 subpartB, ANSI G63 4-2014         UL: UL60950-1+CAN/CSA C22.2, No.60950-1           Port         Alarm Input         2 (on-off value input: 0-5 VDC)           Alarm Output         1           Audio Input         1 channel (LINE IN, bare wire)           Audio Output         1 channel (LINE OUT, bare wire)           Alarm Linkage         Capture; recording; send email; preset; tour; pattern; alarm digital output; audio           Alarm Event         Motion/tampering detection; undio detection; network disconnection detection; inetwork disconnection d	Network Port	RJ-45 (10/100 Base-T)			
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 Firefox 50 and later versions         Management Software       DSS;DMSS;Easy4ip;Smart PSS;IVSS         Mobile Client       iOS;Android         Certification       CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpart8, ANSI C63.4-2014 UL: UL60950-1+CAN/CSA C22.2, No.60950-1         Port       Alarm Input       2 (on-off value input: 0-5 VDC)         Alarm Output       1         Audio Input       1 channel (LINE IN, bare wire)         Audio Output       1 channel (LINE OUT,bare wire)         Alarm Linkage       Capture; recording; send email; preset; tour; pattern; alarm digital output; audio         Alarm Event       Motion/tampering detection; audio detection; network disconnection detection; iP conflict detection; memory space detection         Power       Power Supply         Power Consumption       Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)         Environment       Operating Temperature       -40 °C to +70 °C (-40 °F to +158 °F)         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure <td>Network Protocol</td> <td colspan="2">TP;802.1x;HTTPS;SNMP;TCP/IP;DDNS;UPnP;NFS;ICMP;</td>	Network Protocol	TP;802.1x;HTTPS;SNMP;TCP/IP;DDNS;UPnP;NFS;ICMP;			
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 S0 and later versions Safari 10 and later versions Safari 10 and later versions  Management Software  DSS;DMSS;Easy4ip;Smart PSS;IVSS  Mobile Client  ioS;Android  Certification  Certification  Certification  Certifications  CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UI: UI.60950-1+CAN/CSA C22.2, No.60950-1  Port  Alarm Input  2 (on-off value input: 0-5 VDC)  Alarm Output  1 channel (LINE IN, bare wire)  Audio Input  1 channel (LINE OUT, bare wire)  Alarm Linkage  Capture; recording; send email; preset; tour; pattern; alarm digital output; audio Alarm Event  Motion/tampering detection; audio detection; network disconnection detection; promitic detection; memory space detection  Power  Power Supply  Power Consumption  Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)  Environment  Operating Temperature  -40 °C to +70 °C (-40 °F to +158 °F)  Operating Humidity  495%  Protection  Product Dimensions  Ф190.0 mm × 332.0 mm (Ф7.48" × 13.07")	Interoperability	CGI;SDK;ONVIF (Profile S&G&T)			
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       DSS;DMSS;Easy4ip;Smart PSS;IVSS         Mobile Client       iOS;Android         Certification       CE: ENS5032/ENS5024/ENS0130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UL: UL60950-1+CAN/CSA C22.2, No.60950-1         Port       Alarm Input       2 (on-off value input: 0-5 VDC)         Alarm Output       1         Audio Input       1 channel (LINE IN, bare wire)         Audio Output       1 channel (LINE OUT, bare wire)         Alarm Linkage       Capture; recording; send email; preset; tour; pattern; alarm digital output; audio         Alarm Event       Motion/tampering detection; audio detection; network disconnection detection; iP conflict detection; memory card status detection; memory space detection         Power       Power Supply         Power Consumption       Basic: 12 W Max: 21 W (Illuminator+ PTZ + Heater + Fan)         Environment       Operating Temperature       -40 °C to +70 °C (-40 °F to +158 °F)         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure         Product Dimensions       Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Streaming Method	Unicast/Multicast			
Browser    IE 9 and later versions   Chrome 41 and later versions   Safari 10 and later vers	User/Host	20 (total bandwidth: 64 M)			
Browser       Chrome 41 and later versions Firefox 50 and later versions Safari 10 and later versions         Management Software       DSS;DMSS;Easy4ip;Smart PSS;IVSS         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       Alarm Input       2 (on-off value input: 0-5 VDC)         Alarm Output       1       Annel (LINE IN, bare wire)         Audio Input       1 channel (LINE OUT,bare wire)         Alarm Linkage       Capture; recording; send email; preset; tour; pattern; alarm digital output; audio         Alarm Event       Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection         Power       Power Supply       24 VDC, 2.5 A ± 25% PoE+ (802.3at)         Power Consumption       Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)         Environment       Operating Temperature       -40 °C to +70 °C (-40 °F to +158 °F)         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure         Product Dimensions       Ф190.0 mm × 332.0 mm (Ф7.48" × 13.07")	Storage	Micro SD card (512 GB); FTP/SFTP; NAS			
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       Alarm Input         Alarm Output       1         Audio Input       1 channel (LINE IN, bare wire)         Audio Output       1 channel (LINE OUT, bare wire)         Alarm Linkage       Capture; recording; send email; preset; tour; pattern; alarm digital output; audio         Alarm Event       Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection         Power       Power Supply         Power Consumption       Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)         Environment       Operating Temperature       -40 °C to +70 °C (-40 °F to +158 °F)         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure       Product Dimensions	Browser	Chrome 41 and later versions Firefox 50 and later versions			
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Certifications       FCC: Part15 subpartB, ANSI C63.4-2014 UI: UI: 00950-1+CAN/CSA C22.2, No.60950-1         Port         Alarm Input       2 (on-off value input: 0-5 VDC)         Alarm Output       1         Audio Input       1 channel (LINE IN, bare wire)         Audio Output       1 channel (LINE OUT,bare wire)         Alarm Linkage       Capture; recording; send email; preset; tour; pattern; alarm digital output; audio         Alarm Event       Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection         Power       Power Supply         Poet (802.3at)       Poet (802.3at)         Power Consumption       Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)         Environment       Operating Temperature       -40 °C to +70 °C (-40 °F to +158 °F)         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure       Product Dimensions	Certification				
Alarm Input  2 (on-off value input: 0–5 VDC)  Alarm Output  1 channel (LINE IN, bare wire)  Audio Output  1 channel (LINE OUT, bare wire)  Alarm Linkage  Capture; recording; send email; preset; tour; pattern; alarm digital output; audio  Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection  Power  Power Supply  Power Consumption  Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)  Environment  Operating Temperature  -40 °C to +70 °C (-40 °F to +158 °F)  Operating Humidity  ≤95%  Protection  IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection  Structure  Product Dimensions  Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Certifications	FCC: Part15 subpartB, ANSI C63.4-2014			
Alarm Output  Audio Input  1 channel (LINE IN, bare wire)  Audio Output  1 channel (LINE OUT, bare wire)  Alarm Linkage  Capture; recording; send email; preset; tour; pattern; alarm digital output; audio  Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection  Power  Power Supply  24 VDC, 2.5 A ± 25% PoE+ (802.3at)  Power Consumption  Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)  Environment  Operating Temperature  -40 °C to +70 °C (-40 °F to +158 °F)  Operating Humidity  ≤95%  Protection  IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection  Structure  Product Dimensions  Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Port				
Audio Input       1 channel (LINE IN, bare wire)         Audio Output       1 channel (LINE OUT, bare wire)         Alarm Linkage       Capture; recording; send email; preset; tour; pattern; alarm digital output; audio         Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection         Power       24 VDC, 2.5 A ± 25% PoE+ (802.3at)         Power Consumption       Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)         Environment       Operating Temperature         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure         Product Dimensions       Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Alarm Input	2 (on-off value input: 0–5 VDC)			
Audio Output       1 channel (LINE OUT, bare wire)         Alarm Linkage       Capture; recording; send email; preset; tour; pattern; alarm digital output; audio         Alarm Event       Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection         Power       24 VDC, 2.5 A ± 25% PoE+ (802.3at)         Power Consumption       Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)         Environment       Operating Temperature         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure         Product Dimensions       Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Alarm Output	1			
Alarm Linkage  Capture; recording; send email; preset; tour; pattern; alarm digital output; audio  Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection  Power  Power Supply  Power Consumption  Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)  Environment  Operating Temperature  -40 °C to +70 °C (-40 °F to +158 °F)  Operating Humidity  ≤95%  Protection  IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection  Structure  Product Dimensions  Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Audio Input	1 channel (LINE IN, bare wire)			
Alarm Linkage       alarm digital output; audio         Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection         Power       24 VDC, 2.5 A ± 25% PoE+ (802.3at)         Power Consumption       Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)         Environment       -40 °C to +70 °C (-40 °F to +158 °F)         Operating Temperature       -40 °C to +70 °C (-40 °F to +158 °F)         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure         Product Dimensions       Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Audio Output	1 channel (LINE OUT,bare wire)			
Alarm Event       network disconnection detection; IP conflict detection; memory space detection         Power       24 VDC, 2.5 A ± 25% PoE+ (802.3at)         Power Consumption       Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)         Environment       −40 °C to +70 °C (−40 °F to +158 °F)         Operating Temperature       −40 °C to +70 °C (−40 °F to +158 °F)         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure         Product Dimensions       Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Alarm Linkage				
Power Supply       24 VDC, 2.5 A ± 25% PoE+ (802.3at)         Power Consumption       Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)         Environment       -40 °C to +70 °C (-40 °F to +158 °F)         Operating Temperature       -40 °C to +70 °C (-40 °F to +158 °F)         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure         Product Dimensions       Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Alarm Event	network disconnection detection; IP conflict detection; memory card status detection; memory			
Power Supply       PoE+ (802.3at)         Power Consumption       Basic: 12 W Max: 21 W (illuminator+ PTZ + Heater + Fan)         Environment         Operating Temperature       −40 °C to +70 °C (−40 °F to +158 °F)         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure         Product Dimensions       Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Power				
Power Consumption       Max: 21 W (illuminator+ PTZ + Heater + Fan)         Environment       Operating Temperature         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure         Product Dimensions       Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Power Supply				
Operating Temperature       −40 °C to +70 °C (−40 °F to +158 °F)         Operating Humidity       ≤95%         Protection       IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection         Structure         Product Dimensions       Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Power Consumption				
Operating Humidity ≤95%  Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection  Structure  Product Dimensions Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Environment				
Protection IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection  Structure Product Dimensions Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)			
Protection protection; voltage transient protection  Structure  Product Dimensions Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Operating Humidity	≤95%			
Product Dimensions Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")	Protection				
, and the second	Structure				
Net Weight 4.7 kg (10.36 lb)	Product Dimensions	Φ190.0 mm × 332.0 mm (Φ7.48" × 13.07")			
	Net Weight	4.7 kg (10.36 lb)			
Gross Weight 8.0 kg (17.64 lb)	Gross Weight	8.0 kg (17.64 lb)			

Ordering Information				
Туре	Model	Description		
8MP WizSense PTZ Camera	DH-SD5A825GB-HNR	8MP 25x Starlight IR WizSense Network PTZ Camera		
	SD5A825GB-HNR	8MP 25x Starlight IR WizSense Network PTZ Camera		
Accessories	PFB305W	Wall Mount Bracket		
	DC24V/2.5A	Power Adapter		
	PFA111	Mount Adapter		
	PFA140	Power Box		
	PFB300C	Ceiling Mount Bracket		
	PFB301C	Ceiling Mount Bracket		
	PFB303S	Parapet Mount Bracket		
	PFB301S-E	Plane Mount Bracket		
	PFA120	Junction Box		
	PFA150	Pole Mount Bracket		
	PFA151	Corner Mount Bracket		

### **Accessories**

## Included:





PFB305W Wall Mount Bracket

DC24V/2.5A Power Adapter

# Optional:







PFA140 Power Box



PFB300C Ceiling Mount Bracket



PFB301C Ceiling Mount Bracket



PFB303S Parapet Mount Bracket



PFB301S-E Plane Mount Bracket



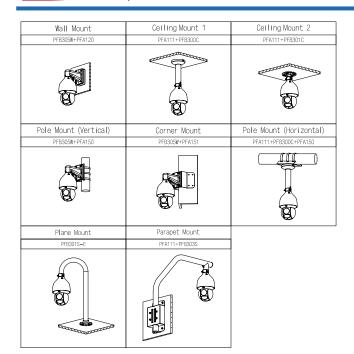
PFA120 Junction Box



PFA150 Pole Mount Bracket



PFA151 Corner Mount Bracket



# Dimensions (mm[inch])

