



DH-SD3A200-GNP-PV

2MP Starlight IR AI WizSense Network PT Camera



- · 1/2.8" 2Megapixel CMOS
- · Starlight technology
- · IR distance up to 30 m
- · Deep-learning-based perimeter protection
- · SMD Plus
- · PoE
- · IP66

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

Designed with H.265 coding technology, Dahua Starlight series camera has efficient video coding capability, which can save bandwidth and storage space. The product adopts the latest starlight technology to display better color images under low-light conditions.

Functions

Perimeter Protection

Automatically filters out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act secondary recognition for the targets. Improves alarm accuracy.

Starlight Technology

For challenging low-light applications, Dahua's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.005 Lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Environment

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from- 30° C to $+60^{\circ}$ C (- 22° F to $+140^{\circ}$ F) with 95% humidity. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

SMD Plus

With Deep-Learning Algorithm, Dahua SMD Plus filters the motion detection alarm triggered by non-concerned target and recognizes human and vehicle effectively, sending alarms when human and vehicle intrude.

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, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

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Main stream: 1080P (1-25/30 fps); 1.3M (1-25/30 **Technical Specification** fps); 720P (1-25/30 fps) Sub stream 1: D1/CIF (1-25/30 fps) Frame Rate Camera Sub stream 2: 1080P (1-25/30 fps); 1.3M (1-25/30 fps); 720P (1-25/30 fps) Image Sensor 1/2.8" CMOS Bit Rate Control Variable/Constant 2MP Pixel H.264: 3 Kbps-20480 Kbps Bit Rate 1920 (H) × 1080 (V) H.265: 3 Kbps-20480 Kbps Max. Resolution Day/Night Auto (ICR) ROM 256 MB BLC Support RAM 512 MB WDR DWDR 1/3 s-1/100000 s **Electronic Shutter Speed** HIC Support Scanning System Progressive Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/ Color: 0.002 Lux@F1.6 White Balance Natural light/Street lamp B/W: 0.0002 Lux@F1.6 Min. Illumination 0 Lux (illuminator on) Gain Control Auto/Manual Illumination Distance 30 m (98.43 ft) Noise Reduction 2D/3D Manual/SmartIR/Off Illuminator On/Off Control **Motion Detection** Support Illuminator Number 2 IR lights; 1 white light Region of Interest (RoI) Support Lens Defog Electronic 4 mm Focal Length Flip 180° Max. Aperture F1.6 S/N Ratio > 55 dB H: 86.8°; V: 45.9°; D: 102.4° Field of View Audio Close Focus Distance 0.3 m (0.98 ft) G.711a; G.711Mu; G.726; AAC; MPEG2-Layer2; Compression G722.1: G729: G723 Iris Control Fixed Network Identify Detect Observe Recognize **DORI** Distance Ethernet RJ-45 (10/100Base-T) 55 m 22 m 10.6 m 4.6 m (180.45 ft) (72.18 ft) (34.78 ft) (15.09 ft) IPv4; IPv6; HTTP; HTTPS; 802.1x; QoS; FTP; SMTP; UPnP; SNMP; DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; PTZ Protocol IGMP; ICMP; DHCP; PPPoE; ARP; SNMP v1/v2c/v3 Pan: 0°-355° (MIB-2); RTCP; RTMP Pan/Tilt Range Tilt: -15°-+90° Interoperability ONVIF Profile S&G&T; CGI Pan: 0.1°/s-80°/s Manual Control Speed Tilt: 0.1°/s-56°/s Streaming Method Unicast/Multicast Pan: 81°/s; Tilt: 43°/s Preset Speed User/Host 20 (total bandwidth: 64 M) Preset 300 FTP; Micro SD card (256 G); NAS Storage Power-off Memory Support IE7 and later versions Chrome 42 and earlier versions Idle Motion Preset Browser Firefox 52 and earlier versions Artificial Intelligence Safari Management Software DMSS Tripwire and intrusion. Support alarm triggering by target types (human and vehicle). Support filtering Perimeter Protection false alarms caused by animals, rustling leaves, bright Mobile Phone iOS, Android lights, etc. Certification Video CE:EN55032/EN55024/EN50130-4/EN 55035/EN H.265; H.264B; H.264M; H.264H; MJPEG; MJPEG (Sub Certifications 61000-3-2/EN 61000-3-3/EN 62368-1 Compression Stream); H.265+; H.264+ FCC: Part15 subpartB, ANSI C63.4-2014 Streaming Capability 3 streams Port 1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 Audio Input 1 (Built-in Mic) Resolution × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240) Built-in Speaker Audio Output

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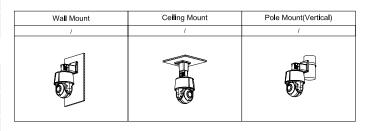
Two-way Audio	Support			
Alarm Linkage	Capture; preset; SD card record; send email			
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; encoder state detection; memory card state detection; memory space detection			
Power				
Power Supply	12V DC/2A \pm 10% (supports PoE)			
Power Consumption	Basic: 4.5W Max: 10W (illuminator on)			
Power Adapter	Included			
Environment				
Operating Temperature	-30°C to +60°C (-22°F to 140°F)			
Operating Humidity	≤ 95%			
Protection	IP66; TVS 2000V lightning proof; surge protection; voltage transient protection			
Structure				
Dimensions	271.7 mm × 142.5 mm × 124.1 mm (10.70" × 5.61" × 4.89")			
Net Weight	1.1 kg (2.43 lb)			
Gross Weight	1.51 kg (3.33 lb)			

Accessories

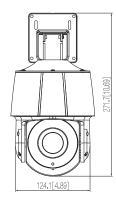
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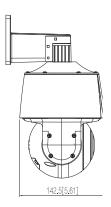


Power Adapter



Dimensions (mm)





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Туре	Model	Description		
2M Camera	DH-SD3A200-GNP-PV	2MP Starlight IR Al Wizsense Network PT Camera, PAL		
	DH-SD3A200N-GNP-PV	2MP Starlight IR Al Wizsense Network PT Camera, NTSC		
	SD3A200-GNP-PV	2MP Starlight IR Al Wizsense Network PT Camera, PAL		
	SD3A200N-GNP-PV	2MP Starlight IR AI Wizsense Network PT Camera, NTSC		
Accessories	PoE/ DC12V 2A	Power Adapter		

Ordering Information

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