

DH-SD3A205-GNP-PV

2MP Starlight IR AI WizSense Network PTZ Camera



- · 1/2.8" 2Megapixel STARVIS™ 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 °C (-22 °F to +140 °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.



Technical Specification						Main stream: 1080P (1–25/30 fps); 1.3M (1–25/30 fps); 720P (1–25/30 fps)
Camera					Frame Rate	Sub stream 1: D1/CIF (1–25/30 fps) Sub stream 2: 1080P (1–25/30 fps); 1.3M (1–25/30
Image Sensor	1/2.8" CMOS					fps); 720P (1–25/30 fps)
Pixel	2MP				Bit Rate Control	Variable/Constant
Max. Resolution	1920 (H) × 1080 (V)				Bit Rate	H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps
ROM	256 MB				Day/Night	Auto (ICR)
RAM	512 MB				BLC	Support
Electronic Shutter Speed	1/3 s-1/100000 s				WDR	DWDR
Scanning System	Progressive				HLC	Support
Min. Illumination	Color: 0.002 B/W: 0.0002 0 Lux (illumi	2 Lux@F1.8			White Balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/Natural light/Street lamp
Illumination Distance	30 m (98.43	,			Gain Control	Auto/Manual
Illuminator On/Off Control	Manual/Sma				Noise Reduction	2D/3D
Illuminator Number	4 IR lights; 1				Motion Detection	Support
Lens	4 IIV lights, 1	Willte light			Region of Interest (RoI)	Support
Focal Length	2.7 mm_12	5 mm			Defog	Electronic
	2.7 mm–13.5 mm				Flip	180°
Max. Aperture	F1.8–F3.3 H: 101.6°–33.5°; V: 52°–18.7°; D: 124.7°–38.5°				S/N Ratio	≥ 55 dB
Field of View		3.5°; V: 52°-1	8.7°; D: 124.7	738.5	Audio	
Optical Zoom Focus Control	5x Auto/Semi-Auto/Manual				Compression	G.711a; G.711Mu; G.726; AAC; MPEG2-Layer2; G722.1; G729; G723
Close Focus Distance	1.2 m (3.94 ft)				Network	
Iris Control	Fixed				Ethernet	RJ-45 (10/100Base-T)
DORI Distance	Detect	Observe	Recognize	Identify 12.8 m	Protocol	IPv4; IPv6; HTTP; HTTPS; 802.1x; QoS; FTP; SMTP; UPnP; SNMP; DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; SNMP v1/v2c/v3 (MIB-2); RTCP; RTMP
PTZ	(429.79 ft)	(171.59 ft)	(85.30 ft)	(41.99 ft)	Interoperability	ONVIF Profile S&G&T CGI
Pan/Tilt Range	Pan: 0°–355°				Streaming Method	Unicast/Multicast
. 0	Tilt: -15°-+9 Pan: 0.1°/s-				User/Host	20 (total bandwidth: 64 M)
Manual Control Speed	Tilt: 0.1°/s–56°/s				Storage	FTP; Micro SD card (256 G); NAS
Preset Speed	Pan: 81°/s; 7	îlt: 43°/s				IE7 and later versions
Preset Power-off Memory	Support				Browser	Chrome 42 and earlier versions Firefox 52 and earlier versions
Idle Motion	Preset				Management Software	Safari
Artificial Intelligence						
Tripwire and intrusion. Support alarm triggering by					Mobile Phone	iOS, Android
Perimeter Protection target types (human and vehicle). Support filtering false alarms caused by animals, rustling leaves, bright lights, etc.					Certification Certifications	CE: EN55032/EN55024/EN50130-4/EN 55035/EN 61000-3-2/EN 61000-3-3/EN 62368-1
Video					FCC: Part15 subpartB, ANSI C63.4- 2014	
Compression	H.265; H.264B; H.264M; H.264H; MJPEG; MJPEG (Sub Stream); H.265+; H.264+				Port	
Streaming Capability	3 streams				Audio Input	1 (Built-in Mic)
1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280				Audio Output	1 (Built-in Speaker)	
Resolution × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)				352 × 288/352	Two-way Audio	Support

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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 ± 10% (supports PoE)	
Power Consumption	Basic: 5W Max: 12W (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)	

Ordering Information							
Туре	Model	Description					
	DH-SD3A205-GNP-PV	2MP Starlight IR Al Wizsense Network PTZ Camera, PAL					
2M Camera	DH-SD3A205N-GNP-PV	2MP Starlight IR Al Wizsense Network PTZ Camera, NTSC					
	SD3A205-GNP-PV	2MP Starlight IR Al Wizsense Network PTZ Camera, PAL					
	SD3A205N-GNP-PV	2MP Starlight IR Al Wizsense Network PTZ Camera, NTSC					
Accessories	PoE/ DC12V 2A	Power Adapter					

1.51 kg (3.33 lb)

Accessories

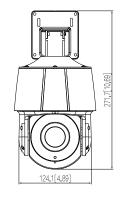
Included:

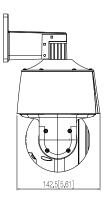


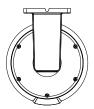
DC12V/2A Power Adapter

Wall Mount	Ceiling Mount	Pole Mount(Vertical)
1	I	/

Dimensions (mm)







Gross Weight