

DH-SD3A400-GNP-B-PV

4MP Full-color Active Deterrence WizSense Network PTZ Camera





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

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD3A series PTZ camera can provide large monitoring range and great detail. The camera delivers 4MP resolution at 25/30 fps, and has very excellent low light performance due to the latest starlight technology. SD3A series PTZ camera is equipped with smooth control, high-quality image and good protection, which makes it meet small and medium-sized video surveillance applications.

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.

- 1/2.8" 4Megapixel STARVIS™ CMOS
- · Starlight technology
- 120 dB true WDR, 3D DNR
- · Max. 25/30 fps@4M, 25/30 fps@1080p
- IP66
- PoE











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.

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

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	on					Posolution	4M (2560 × 1440); 1080p (1920 × 1080); 1.3M (1280 ×
Camera				Resolution	960); 720p (1280 × 720); D1 (704 × 576); CIF (352 × 288)		
Image Sensor	1/2.8" STARVIS™ CMOS				Frame Rate	Main stream: 4M (1–25/30 fps) 1080P/1.3M/720P (1–25/30 fps) Sub stream 1: D1/CIF (1–25/30 fps) Sub stream 2: 1080P/1.3M/720p (1–25/30 fps) D1/CIF (1–25/30 fps)	
Pixel	2560 (H) x 1440 (V)						
Max. Resolution	4MP				Bit Rate Control	Variable; Constant	
ROM	256 MB						H.264: 32 Kbps–8192 Kbps
RAM	512 MB					Bit Rate	H.265: 32 Kbps-8192 Kbps
Electronic Shutter Speed	1/3 s-1/100,	000 s				Day/Night	Yes
Scanning System	Progressive					BLC	Yes
Min. Illumination	Color: 0.005 B/W: 0.0005 0 Lux (illumir	Lux@F1.0				WDR	120 dB Yes
Illumination Distance	30 m (98.43	,					Auto; indoor; outdoor; tracking; manual; sodium lamp;
Illuminator On/Off Control	Auto; Manua					White Balance	natural; street lamp
·						Gain Control	Auto; Manual
Lens	Illuminator Number 2 white lights				Noise Reduction	2D/3D	
	4 202				Motion Detection	Yes	
Focal Length	4 mm				Region of Interest (RoI)	Yes	
Max. Aperture	F1.0				Defog	Electronic	
Field of View	H: 76.9°; V: 41.8°; D: 92°				Flip	0°; 180°	
Close Focus Distance 2 m (6.56 ft)				S/N Ratio	≥ 55 dB		
Iris Control	Fixed	Fixed				Audio	
DORI Distance	Detect	Observe	Recognize	Identify		Compression	G.711a; G.711Mu; G.726; AAC; MPEG2-Layer2; G722.1
	79.9 m (262.14 ft)	31.9 m (104.66 ft)	15.7 m (51.51 ft)	7.4 m (24.28 ft)		Network	
PTZ						Ethernet	RJ-45 (10/100Base-T)
Pan/Tilt Range	Pan: 0° to 35 Tilt: -15° to -	+90°				Protocol	IPv4; IPv6; HTTP; HTTPS; 802.1x; QoS; FTP; SMTP; UPnP; SNMP v1/v2c/v3 (MIB-2); DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; RTCP
Manual Control Speed	Pan: 0.1°/s-80°/s Tilt: 0.1°/s-56°/s				Interoperability	ONVIF Profile S&G&T CGI	
Preset Speed	Pan: 81°/s; T	ilt: 43°/s				Streaming Method	Unicast; multicast
Preset	300					User/Host	20 (total bandwidth: 48 MB)
Power-off Memory	Yes					Storage	FTP; Micro SD card (512 GB); NAS
Idle Motion	Preset						IE7 and later versions Chrome 42 and later versions
General Intelligence						Browser	Firefox 52 and later versions Safari
Motion detection, video tampering, network disconnection, IP address conflict, illegal access, and storage anomaly				Management Software	DMSS; DSS		
Artificial Intelligence	Ü	,				Mobile Phone	iOS; Android
7 ii tirrelar irreliigeriee	Tripwire and	intrusion. Sup	port alarm trigg	gering by target		Certification	
Perimeter Protection types (human and vehicle). Support filtering false alarms caused by animals, rustling leaves, bright lights, etc.				Certifications	CE: EN55032/EN55024/EN50130-4/EN55035/EN61000- 3-2/EN61000-3-3/EN62368-1 FCC: Part15 subpartB		
Video	Video				Port		
Compression	H.265; H.264B; H.264H; MJPEG (Sub Stream); H.265+; H.264+				Audio Input	1 (built-in Mic)	
Streaming Capability	3 streams				Audio Output	1 (built-in speaker)	

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Two-way Audio	Yes
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/1.5A ± 10% PoE (802.3af)
Power Consumption	Basic: 4.6W Max: 9.2W (illuminator on)

Environment

Operating Temperature	-30°C to +60°C (-22°F to +140°F)
Operating Humidity	≤ 95%RH
Protection	IP66; TVS 2000V lightning proof; surge protection; voltage transient protection

Structure

Casing	Plastic
Dimensions	271.7 mm × 124.1 mm × 142.5 mm (10.70" × 4.89" × 5.61")
Net Weight	1 kg (2.20 lb)
Gross Weight	1.46 kg (3.22 lb)

Ordering Information			
Туре	Part Number	Description	
	DH-SD3A400-GNP-B-PV	4MP Full-color Active Deterrence WizSense Network PTZ Camera, PAL	
4MP	DH-SD3A400N-GNP-B-PV	4MP Full-color Active Deterrence WizSense Network PTZ Camera, NTSC	
Camera	SD3A400-GNP-B-PV	4MP Full-color Active Deterrence WizSense Network PTZ Camera, PAL	
	SD3A400N-GNP-B-PV	4MP Full-color Active Deterrence WizSense Network PTZ Camera, NTSC	
Accessories	12V DC/1.5A	Power Adapter	

Accessories

Included:



12V DC/1.5A Power Adapter

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

Dimensions (mm[inch])





