

DH-SDT3A400-GA-HNP-BX

4MP Starlight+ White Light Network PTZ Camera



Wiz Mind

Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, IVSS,NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for verticals.

Series Overview

This PTZ camera raises the bar on conventional PTZ cameras, as it features a built-in video radar that allows for high-precision, realtime monitoring of water levels. It also provides comprehensive surveillance over large areas while delivering high-definition videos. It is suitable for monitoring the water levels of rivers, reservoirs and water treatment plant tanks, as well as tracking the flow of water through the main, branch and field channels in irrigation districts. Additionally, it can detect urban waterlogging and flooding in mountainous areas.

Functions

Protection (IP66, TVS 6000 V)

IP66, TVS 6000 V lightning proof, surge protection, and voltage transient protection.

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.

- 1/1.8" 4Megapixel STARVIS[™] CMOS
- Starlight+ technology
- Max. 25/30fps@4MP
- Perimeter protection
- IP66
- Built-in high-precision millimeter-wave radar.
- White light distance up to 30 m.
- Water Level Detection.
- Bulit-in speaker.



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.

Water Level Detection

Dahua Water Level Detection Technology utilizes the millimeter-wave radar for non-contact, high-precision detection of water levels.

Technical Specification Camera 1/1.8" CMOS Image Sensor Pixel 4 MP Max. Resolution 2560 (H) × 1440 (V) 1 GB ROM 32 GB RAM Electronic Shutter Speed 1 s-1/30,000 s Scanning System Progressive 0.005 lux@F1.0 (Color, 30 IRE) 0.0005 lux@F1.0 (B/W, 30 IRE) Min. Illumination 0 lux (illuminator on) Illumination Distance 4 mm: 30 m (98.43 ft) (Warm light) Illuminator On/Off Control Manual; Auto; Off Illuminator Number 4 (Warm light) Lens Focal Length 4 mm F1.0 Max. Aperture 4 mm: H: 90.35° Field of View V: 49.03° D: 105.95° Close Focus Distance 4 mm: 3.5 m (11.48 ft) Lens Detect Observe Recognize Identify 70.3 m 28.1 m 14.1 m 7.0 m 4 mm (230.64 (92.19 (46.26 (22.97 ft) ft) ft) ft) *DORI (Detect, Observe, Recognize, Identify) is DORI Distance a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool. PTZ Pan: 0° to 340° Pan/Tilt Range Tilt: -20° to +90° Pan: 0.1°/s-40°/s; Manual Control Speed Tilt: 0.1°/s-40°/s Pan: 40°/s Preset Speed Tilt: 40°/s 300 Preset 8 (up to 32 presets per tour) Tour

5

5

Yes

Preset;Pattern;Tour;Scan

Pattern

Scan

Power-off Memory

Idle Motion

PTZ Protocol	DH-SD Pelco-P/D(Auto recognition)			
Intelligence				
IVS (Perimeter Protection)	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classification;			
Hydrological Monitoring	Detects engineering trucks and the proportion of floating debris that accumulated in the water within the monitored region.			
Active Deterrence				
Light Warning	Warm light warning; Flash duration: 5 s–30 s; Flash frequency: high, medium, low			
Sound Warning	Built in 27 voice alarm contents, supporting custom import of voice contents; Sound: 0-100 adjustable; The playback frequency can be adjusted from 1 to 10 times			
Video				
Video Compression	Smart H.265+;H.265;Smart H.264+;H.264;H.264B;H.264H;MJPEG			
Streaming Capability	3 streams			
Resolution	(2560 × 1440); 3M (2048 × 1536);(2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)			
Video Frame Rate	Main stream: 4M/3M/1080p/1.3M/720p@(1–25/30 fps) Sub stream 1: D1/VGA/CIF@(1–25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1–25/30 fps)			
Bit Rate Control	CBR/VBR			
Video Bit Rate	H264: 96 kbps—13056 kbps H265: 38 kbps—7936 kbps			
BLC	Yes			
WDR	140 dB			
HLC	Yes			
White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp			
Gain Control	Auto; manual			
Noise Reduction	2D NR; 3D NR			
Motion Detection	Yes			
Region of Interest (RoI)	Yes			
Image Stabilization	Electronic Image Stabilization (EIS)			
Image Rotation	180°			
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view; multiple colors available			
S/N Ratio	≥55 dB			
Audio				
Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723			
Built-in Speaker	Yes			

Wiz Mind | DH-SDT3A400-GA-HNP-BX

Network

Network PortRI-45 (10/100 Base-T)Network ProtocolNTP;HTTP;STCP/ PiPI/PG,MTP;DHCP;DNS;DNS;PKB02, DS;SUG;STFTP;DPPC(MP;SNR)P;GMP;ARP;RTCP;RTP; PPOFC;RTMP;Bonjour;NFSInteroperabilityONVIF (Profile S & Profile G & Profile T),CGI;SDKStreaming MethodUnicas/MulticastUser/Host20 total bandwidth: 64 M)StorageTF/STFT; Micro SD card (S12 GB); NASBrowserEB and later versions Strafin 10 and later versions Stafin 10 and later vers	Network		
Network ProtocolIP/PAGRTSP:UDPS/SMTP:/NTP.OHCP.ONS/DDNS/IPV6.802. 1XSDL_QOS/TP:/UPR/ICMPS/SMTP:/GMP3.AMP:/GMP3.APC,PTCP: PPFOERTMPB.Gonjour,NFSInteroperability0 KVIF (Profile S & Profile G & Profile T),CGI;SDKStreaming Method10 (catal bandwidth: 64 M)StorageC (total bandwidth: 64 M)StorageFP/STF: Micro SD card (512 GB); NASBrowserBrowserMagement SoftwareKosp SP on alter versions Safari 10 and later versionsPortC Safari 10 and later versions Safari 10 and later versions Safari 10 and later versionsAudio InputC Iohanel (LINE IN, bare wire; built-in speaker during might during; sent; tour; pattern; during might during; sent; tour; pattern; during might during; sent; tour; patter	Network Port	RJ-45 (10/100 Base-T)	
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User/Host20 (total bandwidth: 64 M)User/HostFTP/SFTP; Micro SD card (512 GB); NASStorageFP/SFTP; Micro SD card (512 GB); NASBrowserCandidater versions sfari 10 and later versions sfari 10 and later versions sfari 10 and later versions 	Interoperability	ONVIF (Profile S & Profile G & Profile T);CGI;SDK	
And ProgrammentProgrammentStorageFrom StrappingBrowserDay and later versions sirefox S0 and later versions safari 10 and later versions 	Streaming Method	Unicast/Multicast	
Arrive At and later versions furefox 50 and later vers	User/Host	20 (total bandwidth: 64 M)	
BrowserChrome 41 and later versions staria 10 and later versions the staria 10 and later versions th	Storage	FTP/SFTP; Micro SD card (512 GB); NAS	
Nobile ClientioS;AndroidMobile ClientioS;AndroidCertificationC:E:N 55032,EN 61000-3-3,EN IEC 61000-3-2,EN S0130-4,EN 55035PortS130-4,EN 55035PortIchannel (LINE IN, bare wire)Audio Input1 channel (LINE OUT,bare wire;built-in speaker (mutually exclusive))Audio Output2 (on-off value input: 0-5 VDC)Alarm Input2 (on-off value input: 0-5 VDC)Alarm Output1 channelAlarm SupportCapture; recording; send email; preset; tour; pattern; alarm digital output; audio; warning lightAlarm SventSosonection detection; network disconection detection; personic, inetwork adar state detection; memory space detection; ard state detection; memory space detection; memory space detection; and state detection; memory space detection; and state detection; memory space detection; adar State detection; memory space detection; memory	Browser	Chrome 41 and later versions Firefox 50 and later versions	
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Product Dimensions 8.2") (L × W × H) Net Weight 1.8 kg (3.97 lb)	Casing Material	ADC12;PC;PC+GF	
•	Product Dimensions		
Gross Weight 3.5 kg (7.72 lb)	Net Weight	1.8 kg (3.97 lb)	
	Gross Weight	3.5 kg (7.72 lb)	

Ordering Information

Туре	Model	Description		
Network PTZ Camera	DH-SDT3A400-GA-HNP-BX	4MP Starlight+ White Light Network PTZ Camera		
Accessories (Optional)	DH-PFB606W	Electric Pan/Tilt Wall Mount Bracket		

Accessories

Optional:



DH-PFB606W Electric Pan/Tilt Wall Mount Bracket



Dimensions (mm[inch])





mm [inch]

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