

DH-XVR5432L-4KL-I3

32CH Penta-brid 4K Value/5MP 1.5U 4HDDs WizSense Digital Video Recorder



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.

Series Overview

Dahua Technology, a world-leading video-centric smart IoT solution and service provider, debuted its new XVR series, XVR5000-4KL-I3 Series featuring max.full-channel SMD Plus to benefit customers from AI upgrade (The number of channels differs depending on the model. Please refer to the specifications below for information on the number of channels.). This series has been developed to reduce false-alarm rates and the cost of human surveillance, thus bringing great value to customers in search of products with accurate human/vehicle alarm to raise the security level of various indoor and outdoor facilities.

Functions

Face Recognition

Dahua Face Recognition technology extracts the features of captured faces and compares them with that in face database. *Face Recognition conflicts with SMD Plus and Perimeter Protection.

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.

SMD Plus

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

EPTZ

With advanced target detection and tracking algorithms, Dahua EPTZ technology can simultaneously zoom in and track multiple humans and vehicles that trigger alarms. It provides rich details and a panoramic view at the same time.

- 6-channel QuickPick 2.0 for analog channels which improves target retrieval efficiency.
- 1-channel Privacy Protection for analog channels which supports masking and restoring human faces that are detected in real time.
- 32-channel SMD Plus for analog channels or 64-channel SMD by camera which allows the device to trigger accurate alarms for humans and vehicles.
- 12-channel perimeter protection for analog channels which supports tripwire and intrusion detection powered by AI.
- 6-channel face recognition for analog channels which supports face comparison.
- 32-channel AI Coding saves on storage and bandwidth while maintaining the details of targets in videos.
- Supports HDCVI, AHD, TVI, CVBS and IP video input.
- Supports up to 64-channel IP camera input and each channel can be up to 12 MP. The incoming bandwidth reaches 256 Mbps.
- \cdot Smart H.265+ and Smart H.265 dual-stream video compression.



QuickPick 2.0

By employing the back-end perimeter protection algorithm, QuickPick 2.0 not only retains the capability to identify the color of clothing and vehicles, which was offered by its predecessor QuickPick 1.0, but it also possesses the enhanced ability to detect various types of hats, clothing and vehicles, thus greatly improving the accuracy of the search function.

Privacy Protection

Dahua Privacy Protection technology is capable of masking detected human faces and subsequently removing the mask, ensuring the privacy of specific individuals is protected.

Irregular Black Block Masking

Dahua's black block masking function supports the use of irregular shapes for masking, ensuring privacy in public and private locations.

HDMI (4K)

The HDMI port can support up to 4K output, delivering clear and highly detailed images.

Wiz Sense | DH-XVR5432L-4KL-I3

Technical Specification		Audio and Video	
System		Analog Camera Input	32 BNC ports, supports HDCVI/AHD/TVI/CVBS auto- detect
Main Processor	Industrial-grade processor		1. CVI: 4K@25/30 fps; 4K@12.5/15 fps; 6 MP@20 fps; 5 MP@25 fps; 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps; 720p@50/60 fps. 2. TVI: 4K@15 fps; 5 MP(2560 x 1944)@20 fps; 5 MP(2960 x 1665)@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps. 3. AHD: 4K@15 fps; 5 MP@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps; 3 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps. Up to 64 channels of IPC access
Operating System	Embedded Linux		
Operating Interface	Web; Local GUI	Camera Input	
QuickPick 2.0			
QuickPick 2.0 AI by Recorder (Number of Channels)	6 channels		
Perimeter Protection			32 IP channels by default + 32 channels (analog channels are converted to IP channels)
Perimeter Performance AI by Recorder (Number of Channels)	Advanced Mode: 6 channels, 10 IVS rules for each channel General Mode: 12 channels, 10 IVS rules for each channel	IP Camera Input	Incoming bandwidth: 256 Mbps, recording bandwidth: 256 Mbps and outgoing bandwidth: 256 Mbps *After IP extension is enabled, EPTZ, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, SMD, Perimeter Protection, QuickPick 2.0 and Privacy Protection cannot be used.
Face Detection			Encode Enhancement disabled :
Face Attributes	6 attributes		Main stream:
Face Detection Performance of AI by Recorder (Number of Channels)	6 channels(up to 12 face images/s each channel)		the 1st, 9th, 17th, 25th channel 4K@(1 fps-15 fps), others 4K@(1 fps-7 fps); the 1st, 9th, 17th, 25th channel 6 MP@(1 fps-20 fps), others 6 MP@(1 fps-10 fps); the 1st, 9th, 17th, 25th channel 5 MP@(1 fps-25 fps),
Privacy Protection			others 5 MP@(1 fps–12 fps); the 1st, 9th, 17th, 25th channel 4K-N/4 MP/3 MP@(1
Privacy Protection Performance of AI by Recorder (Number of Channels)	1 channel		fps-25/30 fps), others 4K-N/4 MP/3 MP@(1 fps-15 fps); 4K@(1 fps-8 fps); Channels 1-5, 9-13, 17-21, and 15-29 5M-N@(1 fps-15 fps), others 5M-N@(1 fps-12 fps); 4M-N/1080p/720p/960H/D1/CIF@(1 fps-25/30 fps)
Face Recognition			Sub stream: 960H@(1 fps-15 fps); D1/CIF@(1 fps-25/30 fps)
Face Database Capacity	Up to 10 face databases with 20,000 images.	Encoding Capacity	Encode Enhancement enabled : Main stream: the 1st, 5th, 9th,13th, 17th, 21st, 25th, 29th channel 4K@(1 fps–15 fps), others 4K@(1 fps–7 fps); the 1st, 5th, 9th, 13th, 17th, 21st, 25th, 29th channel 6 MP@(1 fps–20 fps), others 6 MP@(1 fps–10 fps); the 1st, 5th, 9th, 13th, 17th, 21st, 25th, 29th, channel 5 MP@(1 fps–25 fps), others 5 MP@(1 fps–12 fps); the 1st, 5th, 9th, 13th, 17th, 21st, 25th, 29th channel 4K-N/4 MP/3 MP@(1 fps–15 fps); 4K/6 MP@(1 fps–15 fps); 5 MP@(1 fps–15 fps); 960H@(1 fps–15 fps); 5 MP@(1 fps–15 fps); 4M-N/ 1080p/720p/960H/D1/CIF@(1 fps–25/30 fps) *When Encode Enhancement is enabled, EPTZ, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, Perimeter Protection, QuickPick 2.0 and Privacy Protection cannot be used.
Face Recognition Performance of AI by Recorder (Number of Channels)	6 channels		
SMD Plus			
SMD Plus by Recorder	32 channels: Secondary filtering for human and vehicle, reducing false alarms caused by leaves, rain and lighting condition change		
SMD Plus by Camera	64 channels		
Al Video Quality Anal	ytics		
Al Video Quality Analytics by Recorder	32 channels: Supports detecting brightness levels, color cast, defocus, overexposure, contrast levels, black and white		
Scene Changing		Dual-stream	Yes
Scene Changing by	1 channel	Video Bit Rate	32 kbps–6144 kbps
Recorder	Masking	Audio Sampling	8 kHz, 16 bit
Irregular Black Block Masking		Audio Bit Rate	64 kbps
Irregular Black Block Masking by Recorder	1 channel		2 HDMI, 1 VGA, 1 CVBS HDMI1: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720
EPTZ		Video Output	720 VGA/HDMI2: 1920 × 1080, 1280 × 1024, 1280 × 720
EPTZ by Recorder	1 channel		*Heterogeneous video sources output for HDMI 2 is configurable.
		Multi-screen Display	1/4/8/9/16/25/36

Wiz Sense | DH-XVR5432L-4KL-I3

Third-party Camera Access	Panasonic; Sony; Hanwha; Axis; Arecont; ONVIF					
Compression Standard	t de la constante de					
Video Compression	Al Coding; Smart H.265+; H.265; Smart H.264+; H.264					
Audio Compression	G.711a; G.711u; PCM					
Network						
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; IPv6; RTSP; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; FTP; DDNS; SNMP; Alarm Server; P2P; Auto Registration; IP Search (Supports IP camera, DVR, NVS, etc.)					
Mobile Phone Access	iOS; Android					
Interoperability	ONVIF 24.06 (Profile T; Profile S; Profile G); CGI; SDK					
Browser	Chrome; IE; Safari; Edge; Firefox					
Recording Playback						
Record Mode	General; alarm; motion detection; intelligent; POS					
Recording Playback	1/4/9/16					
Backup Method	USB device and network					
Playback Mode	Instant playback; general playback; event playback; tag playback; smart playback					
Storage						
Disk Group	Yes					
Alarm						
General Alarm	Motion detection; local alarm; alarm box; HDCVI alarm; camera external alarm; network alarm; PIR alarm					
Anomaly Alarm	Error (no disk, disk error, low space, low quota space; network disconnection; IP conflict; MAC conflict); video loss; video tampering; camera offline					
Intelligent Alarm	Face detection; face recognition; perimeter protection; SMD Plus					
Alarm Linkage	Record; snapshot (panoramic); local alarm output; IPC external alarm output; audio; buzzer; log; preset; email					
Ports						
CVBS Output	1 channel					
Audio Input	4-channel BNC 32-channel BNC (Coaxial Audio)					
Audio Output	1-channel BNC					
Two-way Talk	1-channel BNC					
Alarm Input	16 channels					
Alarm Output	6 channels (5-channel relay output, 1-channel 12 V 1 A output)					
Disk Interface	4 SATA ports. Each disk can contain up to 16 TB. This limit varies depending on the environment temperature.					
eSATA	1					
RS-232	1					
RS-485	1					
USB	3 (1 front USB 2.0 port, 2 rear USB 3.0 ports)					

HDMI

2

1	
1 (10/100/1000 Mbps Ethernet port, RJ-45)	
100–240 VAC, 50±2% Hz	
<30 W (without HDD)	
4.90 kg (10.81 lb)	
7.20 kg (15.88 lb)	
440.0 mm × 420.2 mm × 76.0 mm (17.32" × 16.54" × 2.99") (W × D × H)	
529.0 mm × 499.0 mm × 211.0 mm 20.83" × 19.65" × 8.31" (W × D × H)	
-10 °C to +55 °C (+14 °F to +131 °F)	
-20 °C to +60 °C (-4 °F to +140 °F)	
10%–90% (RH), non-condensing	
Desktop	
CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024 FCC: Part 15 Subpart B	

Ordering Information

Туре	Model	Description
DIGITAL VIDEO RECORDER	DH-XVR5432L-4KL-13	32CH Penta-brid 4K Value/5MP 1.5U 4HDDs WizSense Digital Video Recorder

Accessories

Optional:







DHI-SSD-V800S256G SSD

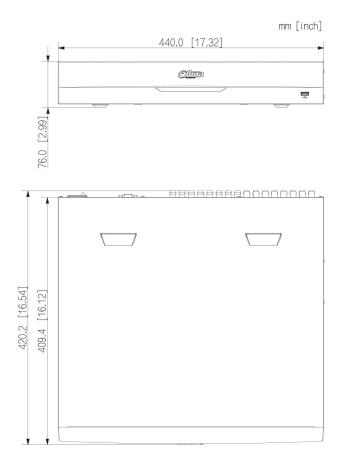
DHI-SSD-V800S512G SSD

DHI-SSD-V800S1TB SSD

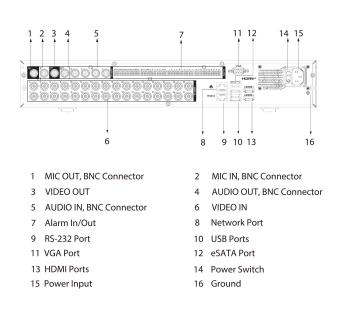


DHI-ARB1606 Alarm Box Wiz Sense | DH-XVR5432L-4KL-I3

Dimensions (mm[inch])



Panels



Rev 002.000 © 2024 Dahua. All rights reserved. Design and specificatons are subject to change without notce Pictures in the document are for reference only, and the actual product shall prevail.