

DH-XVR5208AN-4KL-I3

8 Channels Penta-brid 4K-N/5MP 1U 2HDDs WizSense Digital Video Recorder





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 Al 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 to recognize the person identity.

*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.

- · H.265+/H.265 dual-stream video compression.
- · Supports Full-channel AI Coding.
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs.
- · Max 16 channels IP camera inputs, each channel up to 8MP; Max 128 Mbps incoming bandwidth.
- · Up to 8 channels video stream (analog channel) Perimeter Protection.
- · Up to 8 channels video stream (analog channel) SMD Plus.
- · Up to 2 channels video stream (analog channel) human face recognition.
- · IoT & POS functionalities.
- · Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable.



Scheduled AI

This technology allows multiple AI functions to be set for one channel based on time frames, eliminating the need to manually configure the system to switch between functions each time. Scheduled AI greatly increases efficiency and widens the number of scenarios that the device can be used in.

Smart Dual Illuminators

With Smart Dual Illuminators technology, you can select Smart Illumination Mode for the system to automatically switch between IR mode and white light mode. It allows white light to be turned on when a target is detected by the SMD Plus/Perimeter Protection function of Al-enabled XVR. This significantly reduces light pollution at night. Together with other modes, including IR Mode and White Light Mode, the smart dual illumination technology can meet the requirements of a wide variety of scenes.

One-click Arming/Disarming

With just one click, you can enable or disable alarm linkages to show messages, send emails, output audio alarms and more, through the mobile app and platform.

Customizable Alarm Audio

Designed for your convenience, the TiOC alarm can be customized to meet your needs. It is flexible, allowing you to directly upload your customized audio through the mobile app and XVR.

AI Coding

Compared with H.265/H.264, Al coding can reduce more than 50% bit rate and storage requirements without loss of decoding compatibility, providing clear human and vehicle details.

Audio over Coax

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

Technical Specification				1 HDMI, 1 VGA HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
System			Video Output	
Main Processor	Industrial-grade processor		*Simultaneous/heterogeneous video so VGA and HDMI is configurable.	
Operating System	Embedded Linux		Multi-screen Display	When IP extension mode not enabled: 1/4/8/9
Operating Interface	Web; Local GUI		Third-party Camera	When IP extension mode enabled: 1/4/8/9/16
Perimeter Protection			Access	ONVIF; Panasonic; Sony; Axis; Arecont; Samsung
Perimeter Performance Al by Recorder (Number of Channels)	Advanced Model: 2 channels, 10 IVS for each channel General Model: 8 channels, 10 IVS for each channel		Compression Standa	
Face Detection			Video Compression	Al Coding; Smart H.265+; H.265; Smart H.264+; H.264
Food Attailanted	Gender; age group; glasses; expressions; face mask;		Audio Compression	G.711a; G.711u; PCM
Face Attributes	beard		Network	
Face Detection Performance of AI by Recorder (Number of	2 channels (up to 12 face images/s each channel))		Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; P2P
Channels)			Mobile Phone Access	IOS; Android
Face Recognition			Interoperability	ONVIF 21.12; CGI
	Up to 10 face databases with 20,000 face images in total. Name, gender, birthday, address, certificate type, cerificate No., countries & regions and state can be added to each face image		Browser	Chrome, IE9 or later, Firefox
Face Database Capacity			Network Mode	Single-address mode
Face Recognition	2 channels		Recording Playback	
Performance of AI by Recorder (Number of			Record Mode	General, motion detection; intelligent; alarm; POS
Channels)			Recording Playback	1/4/9
SMD Plus			Backup Method	USB device and network
SMD Plus by Recorder	8 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change		Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)
Audia and Vidaa			Storage	
Audio and Video	9 DNC parts supports UDCVI/AUD/TVI/CVDS outs		Disk Group	Yes
Analog Camera Input	8 BNC ports, supports HDCVI/AHD/TVI/CVBS autodetect		Alarm	
	1. CVI: 4K@25/30 fps; 6 MP@20 fps; 5 MP@25 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@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.		General Alarm	Motion detection; video loss; tampering; local alarm
Camera Input			Anomaly Alarm	No disk; storage error; disk full; camera offline; IP conflict; MAC conflict
			Intelligent Alarm	Face detection; face recognition; perimeter protection
IP Camera Input	Up to 16 channels of IPC access 8 IP channels by default + 8 channels (analog channels are converted to IP channels) incoming bandwidth: 128 Mbps, recording bandwidth: 128 Mbps and outgoing bandwidth: 128 Mbps *After IP channels are added beyond the existing channels, the AI Function (IVS, SMD, FACE) will be		Alarm Linkage	Record; snapshot (panoramic); IPC external alarm output; access controller; voice prompt; buzzer; log; preset; email
			Ports	
			Audio Input	1-channel RCA 8-channel BNC (Coaxial Audio)
	disabled. Main stream: 4K@(1fps-7fps); 6 MP@(1fps-10fps); 5 MP@(1fps-12fps); 4K-N, 4 MP, 3 MP@(1fps-15fps); 4M-N, 1080p, 720p, 960H, D1,CIF@(1fps-25/30fps); Sub stream: 960H@(1fps-15fps); D1/CIF@(1 fps-25/30fps)		Audio Output	1-channel RCA
Encoding Capacity			Two-way Talk	Yes (share the same audio input with the first channel)
			HDD Interface	2 SATA ports, up to 16TB capacity for each disk. The maximum HDD capacity varies with environment temperature.
Dual-stream	Yes		RS-485	1 port, for PTZ control
Video Bit Rate	32 kbps-6144 kbps		USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 port)
Audio Sampling	8 kHz, 16 bit		HDMI	1
Audio Bit Rate	64 kbps			
			VGA	1

Wiz Sense | DH-XVR5208AN-4KL-I3

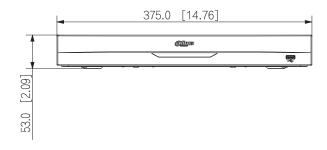
Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)
VGA	1
Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)

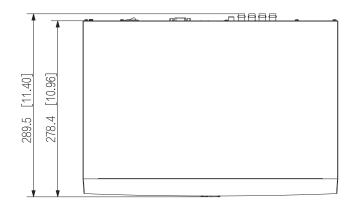
General

Power Supply	DC 12V, 4A		
Power Consumption	<10 W (without HDD)		
Net Weight	1.60 kg (3.53 lb)		
Gross Weight	3.00 kg (6.62 lb)		
Product Dimensions	375.0 mm \times 289.5 mm \times 53.0 mm (14.76" \times 11.40" \times 2.09") (W \times D \times H)		
Packaging Dimensions	433.0 mm \times 141.0 mm \times 366.0 mm (17.05" \times 5.56" \times 14.41") (W \times D \times H)		
Operating Temperature	−10 °C to +55 °C (14 °F to +131 °F)		
Operating Humidity	10%-90% (RH)		
Installation	Rack or desktop		
Certifications	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		

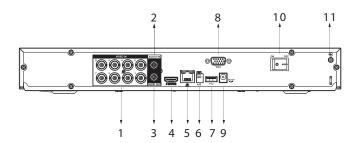
Ordering Information Type Model Description 8 Channels DH-XVR5208ANWizSense XVR 4KL-I3 1U DIGITAL VIDEO RECORDER

Dimensions (mm[inch])





Panels



- 1 VIDEO IN
- 3 AUDIO OUT, RCA Connector
- 5 Network Port
- 7 USB Port
- 9 Power Input
- 11 Ground

- 2 AUDIO IN, RCA Connector
- 4 HDMI Port
- 6 RS-485 Port
- 8 VGA Port
- 10 Power Switch