



DH-XVR7408L-4K-I3

8 Channels Penta-brid 4K 1.5U 4HDDs 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, XVR7000-4K-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 8-channel AI-Coding.
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs.
- · Max 16 channels IP camera inputs, each channel up to 12MP; 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.
- \cdot Up to 2 channels video stream (analog channel) human face recognition.
- · IoT & POS functionalities.



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	on		2 HDMI, 1 VGA, 1 TV VGA/HDMI2: 1920 × 1080, 1280 × 1024, 1280 × 720		
System		Video Output	HDMI1: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720		
Main Processor	Industrial-grade processor		*Heterogeneous video sources output for HDMI2 is configurable.		
Operating System	Embedded Linux	Multi-screen Displa	When IP extension mode not enabled: 1/4/8/9		
Operating Interface	Web; Local GUI	·	when IP extension mode enabled: 1/4/8/9/16		
Perimeter Protection		Third-party Camera 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 S			
Face Detection		Video Compression			
	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 Acce	ss 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,	Browser	Chrome, IE9 or later, Firefox		
Face Database Capacity	cerificate No., countries & regions and state can be added to each face image	Network Mode	Single-address mode		
Face Recognition		Recording Play	Recording Playback		
Performance of AI by Recorder (Number of	2 channels	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)		
A coding and Mida	nghang condition thange	Storage			
Audio and Video	9 DNC parts supports HDCVI/AHD/TVI/CVDC sute	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.	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		
	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.	Intelligent Alarm	Face detection; face recognition; perimeter protection		
	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 disabled.	Alarm Linkage	Record; snapshot (panoramic); IPC external alarm output; access controller; voice prompt; buzzer; log; preset; email		
IP Camera Input		Ports	Ports		
		TV Output	1 channel		
	Main stream: 4K@(1fps-15 fps); 6 MP@(1fps-20 fps); 5 MP, 4K-N,4 MP,3 MP, 1080p, 720p, 960H, D1, CIF@ (1fps-25/30fps) Sub stream: 960H@(1fps-15fps);D1,CIF@(1fps-25/30fps)	Audio Input	4-channel BNC 8-channel BNC (Coaxial Audio)		
Encoding Capacity		Audio Output	1-channel BNC		
Dual-stream	Yes	Two-way Talk	1-channel BNC		
Video Bit Rate	32 kbps-8192 kbps	Alarm Input	16 channels		
Audio Sampling	8 kHz, 16 bit	Alarm Output	6 channels (5-channel relay output, 1-channel 12 V 1 A output)		
Audio Bit Rate	64 kbps		· ·		
. adio bit nate	5aps	HDD Interface	4 SATA ports, up to 16TB capacity for each disk. The maximum HDD capacity varies with environment temperature.		

temperature.

Wiz Sense | DH-XVR7408L-4K-I3

eSATA	1
RS-232	1 port, for PC Communication & Keyboard
RS-485	1 port, for PTZ control
USB	3 (1 front USB 2.0 port, 2 rear USB 3.0 ports)
HDMI	2
VGA	1
Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)

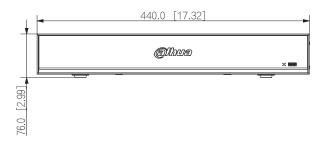
General

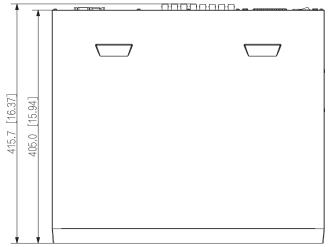
Power Supply	100-240 VAC, 50/60 Hz		
Power Consumption	<20 W (without HDD)		
Net Weight	4.70 kg (10.37 lb)		
Gross Weight	7.00 kg (15.44 lb)		
Product Dimensions	440.0 mm × 415.7 mm × 76.0 mm (17.32" × 16.37" × 2.99") (W × D × H)		
Packaging Dimensions	529.0 mm × 499.0 mm × 211.0 mm (20.83" × 19.65" × 8.31") (W × D × 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		

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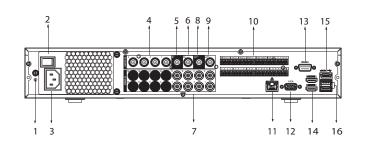
Туре	Model	Description
8 Channels WizSense XVR	DH-XVR7408L- 4K-I3	1.5U DIGITAL VIDEO RECORDER

Dimensions (mm[inch])





Panels



- 1 Ground
- 3 Power Input
- 5 MIC IN, BNC Connector
- 7 VIDEO IN
- 9 VIDEO OUT
- 11 Network Port
- 13 RS-232 Port
- 15 eSATA Port
- 2 Power Switch
- 4 AUDIO IN, BNC Connector
- 6 MIC OUT, BNC Connector
- 8 AUDIO OUT, BNC Connector
- 10 Alarm In/Out
- 12 VGA Port
- 14 HDMI Ports
- 16 USB Ports