

DH-XVR5108H-I3-8P

8CH Penta-brid 5MP Value/1080P Mini 1U 1HDD 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-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

Real 5MP Mode

This mode can enhance XVR preview and playback resolution to Real 5MP. Enable more clarity image experience.

PoC Series

By transmitting power over the same coaxial cable with video, HDCVI PoC technology further simplifies the deployment of HDCVI system, and therefore reduces installation time and labor costs. Balun could be connected for compatibility with UTP transmission when PoC function is disabled.

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 takes effect when Face is selected in Al Mode.

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.

*Perimeter Protection takes effect when IVS&SMD is selected in AI Mode.

- · H.265+/H.265 dual-stream video compression.
- · Supports Full-channel AI-Coding.
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs.
- · Max 12 channels IP camera inputs, each channel up to 6MP; Max 64 Mbps incoming bandwidth.
- · Up to 4 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.
- · All-channel support PoC AT & AF camera. Auto recognize the PoC camera of different power consumptions.



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.

*SMD Plus takes effect when SMD or IVS&SMD is selected in AI Mode.

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, AI 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		Video Output	1 HDMI, 1 VGA HDMI/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720	
System		Multi care on Dioplay	When IP extension mode not enabled: 1/4/8/9	
Main Processor	Industrial-grade processor	Multi-screen Display	When IP extension mode enabled: 1/4/8/9/16	
Operating System	Embedded Linux	Third-party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Samsung	
Operating Interface	Web; Local GUI	Compression Stand	lard	
Perimeter Protection		Video Compression	Al Coding; Smart H.265+; H.265; Smart H.264+; H.264	
Perimeter Performance Al by Recorder (Number of Channels)	Advanced Model: 2 channels, 10 IVS for each channel General Model: 4 channels, 10 IVS for each channel	Audio Compression	G.711a; G.711u; PCM	
Face Detection		Network	LITTO LITTOS TODAS IS A STOR LIDO CARTO NTO	
Face Attributes	Gender; age group; glasses; expressions; face mask;	Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; P2P	
Face Detection	beard 2 channels (up to 8 face images/s each channel))	Mobile Phone Access	iOS; Android	
Performance of AI by Recorder (Number of		Interoperability	ONVIF 22.12(Profile T; Profile S; Profile G); CGI; SDK	
Channels)		Browser	Chrome, IE9 or later, Firefox	
Face Recognition		Network Mode	Single-address mode	
	Up to 10 face databases with 10,000 face images in total. Name, gender, birthday, address, certificate type, cerificate No., countries & regions and state can be added to each face image	Recording Playback		
Face Database Capacity		Record Mode	General, motion detection; intelligent; alarm; POS	
Face Recognition	2 channels	Recording Playback	1/4/9	
Performance of AI by Recorder (Number of		Backup Method	USB device and network	
Channels) SMD Plus		Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)	
8 channels: Secondary filtering for human and motor		Alarm		
SMD Plus by Recorder	vehicle, reducing false alarms caused by leaves, rain and lighting condition change	General Alarm	Motion detection, Video Loss, tampering	
Audio and Video		Anomaly Alarm	No disk; storage error; disk full; camera offline; IP conflict; MAC conflict	
Analog Camera Input	8 BNC ports, supports HDCVI/AHD/TVI/CVBS autodetect	Intelligent Alarm	Face detection; face recognition; perimeter protection	
	1. CVI: 5MP@20fps, 5MP@25fps, 5MP@10/12.5fps, 4MP@25/30fps, 1080p@25/30fps, 720p@50/60fps, 720p@25/30fps. 2. TVI: 5MP@20fps, 4MP@25/30fps, 1080p@25/30fps, 720p@25/30fps. 3. AHD: 5MP@20fps, 4MP@25/30fps, 1080p@25/30fps, 720p@25/30fps.	Alarm Linkage	Record; snapshot (panoramic); IPC external alarm output; access controller; voice prompt; buzzer; log; preset; email	
Camera Input		Ports	Ports	
		Audio Input	1-channel RCA 8-channel BNC (Coaxial Audio)	
	Up to 12 channels of IPC access 4 IP channels by default + 8 channels (analog channels are converted to IP channels) incoming bandwidth: 64 Mbps, recording bandwidth:64 Mbps and outgoing bandwidth: 64 Mbps *After IP channels are added beyond the existing channels, the AI Function (IVS, SMD, FACE) will be disabled.	Audio Output	1-channel RCA	
IP Camera Input		Two-way Talk	Yes (share the same audio input with the first channel)	
		HDD Interface	1 SATA port, up to 16TB capacity for each disk. The maximum HDD capacity varies with environment temperature.	
	Main stream: 5MP Mode: 4-ch 5MP@(1-6fps); other channels 5M-N@(1-12fps) 5M-N Mode: All channel 5M-N@(1-12fps);4M-N,1080p@(1-15fps); 1080N, 720p, 960H, D1,CIF@(1-25/30fps) Sub stream: D1, CIF@(1-15fps)	RS-485	1 port, for PTZ control	
Encoding Capacity		USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)	
		HDMI	1	
Dual-stream	Yes	VGA	1	
		Network Port	1 (10/100 Mbps Ethernet port, RJ-45)	
Video Bit Rate	32 kbps-6144 kbps	General		
Audio Sampling	8 kHz, 16 bit	Power Supply	53 VDC, 1.812 A	
Audio Bit Rate	64 kbps			

Power Consumption

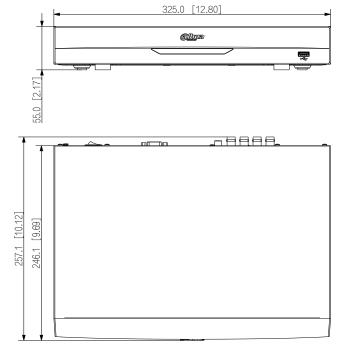
<10 W (without HDD)

Wiz Sense | DH-XVR5108H-I3-8P

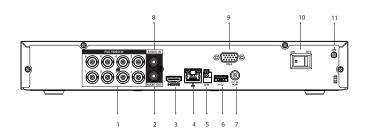
Net Weight	1.20 kg (2.65 lb)	
Gross Weight	2.31 kg (5.09 lb)	
Product Dimensions	325.0 mm × 257.1 mm × 55.0 mm (12.80" × 10.12" × 2.17") (W × D × H)	
Packaging Dimensions	372.0 mm \times 117.0 mm \times 308.0 mm (14.65" \times 4.61" \times 12.13") (W \times D \times H)	
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)	
Operating Humidity	10%-90% (RH)	
Installation	Rack or desktop	
Certifications	CE: CE-LVD: EN 62368-1 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		
8 Channels WizSense XVR	DH-XVR5108H- I3-8P	8CH Penta-brid 5MP Value/1080P Mini 1U 1HDD WizSense Digital Video Recorder		

Dimensions (mm[inch])



Panels



- 1 VIDEO IN
- 2 LIDMID
- 5 RS-485 Port
- 7 Power Input
- 9 VGA Port
- 11 Ground
- 2 AUDIO OUT, RCA Connector
- 4 Network Port
- 6 USB Port
- 8 AUDIO IN, RCA Connector
- 10 Power Switch