



# DH-XVR5108H-13-8P

# 8CH Penta-brid 5MP Value/1080P Mini 1U 1HDD WizSense Digital Video Recorder





Launched by Dahua Technology, WizSense is a series of Al products and solutions that adopt independent Al 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 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 takes effect when Face is selected in AI 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.

- 8-channel SMD Plus for analog channels or 12-channel SMD by camera which allows the device to trigger accurate alarms for humans and vehicles.
- 4-channel perimeter protection for analog channels which supports tripwire and intrusion detection powered by AI.
- 2-channel face recognition for analog channels which supports face comparison.
- 8-channel Al 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 12-channel IP camera input and each channel can be up to 6 MP. The incoming bandwidth reaches 64 Mbps.
- · Smart H.265+ and H.265 dual-stream video compression.
- · IoT and POS capabilities.
- All the channels support PoC AT and PoC AF cameras, and the XVR auto recognizes PoC cameras that have different power consumption levels.













#### **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 Al Mode.

#### AI Coding-ABR

Compared with H.265, Al coding-ABR can save 50% on storage costs, and save bit rate for complex scenes, which can prioritize image quality in dynamic scenes.

## 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.

#### PoC

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.

System  Main Processor Industrial-grade processor  Operating System Embedded Linux  Operating System Web; Local GUI  Perimeter Performance AI by Recorder (Number of Channels)  Face Detection  Face Attributes 6 attributes  Face Detection  Performance of AI by Recorder (Number of Channels)  Face Recognition  Face Recog	Technical Specificatio	n
Operating System  Operating Interface  Perimeter Protection  Perimeter Performance AI by Recorder (Number of Channels)  Face Detection  Face Attributes  Face Detection  Face Attributes  Face Detection  Face Recognition  Face Recognition  Face Recorder (Number of Channels)  Face Recorder (Number of Channels)  Face Recognition  Face Recognition  Face Recorder (Number of Channels)  Face Recognition  Face Recognition  Face Recognition  Face Recorder (Number of Channels)  SMD Plus  B channels  Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change  SMD Plus by Camera  Al Video Quality Analytics  Al Video Quality Analytics  Al Video Quality Analytics  Soene Changing by Recorder  Scene Changing by Recorder  Irregular Black Block Masking  Irregular Black Block Masking  Irregular Black Block Masking  Irregular Black Block Masking Irregular Black Block Masking by Recorder  Audio and Video  Analog Camera Input  B SND Ports, supports HDCVI/AHD/TVI/CVBS autodetect  Camera Input  Audio 2, AHD, S Mp@25 (ps; 5 MP@20 (ps; 5 MP@10/12.5 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps; 720p@25/30 fps; 1080p@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps; 720p@25/30 fps; 720	System	
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Up to 12 channels of IPC access		
	IP Camera Input	Up to 12 channels of IPC access

#### Ports

Audio Input	1-channel RCA (external) 8-channel BNC (coaxial audio)
Audio Output	1-channel RCA
Two-way Talk	Yes (share the same audio input with the first channel)
Disk Interface	$1\mbox{SATA}$ port, up to $16\mbox{TB}.$ This limit varies depending on the environment temperature.
RS-485	1
USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)
HDMI	1
VGA	1
Network Port	1 (10/100 Mbps Ethernet port, RJ-45)

## General

Power Supply	53 VDC, 1.812 A	
Power Consumption	<10 W(without HDD)	
Net Weight	1.20 kg (2.65 lb)	
Gross Weight	2.31 kg (5.09 lb)	
Product Dimensions	325.0 mm $\times$ 257.1 mm $\times$ 55.0 mm (12.80" $\times$ 10.12" $\times$ 2.17") (W $\times$ D $\times$ 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)	
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)	
Operating Humidity	10%–90% (RH), non-condensing	
Installation	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

Type	Model	Description
DIGITAL VIDEO RECORDER	DH-XVR5108H-I3-8P	8CH Penta-brid 5MP Value/ 1080P Mini 1U 1HDD WizSense Digital Video Recorder

## Accessories

## Optional:







DHI-SSD-V800S256G SSD

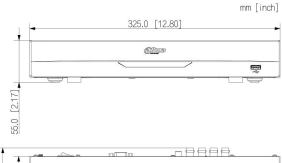
DHI-SSD-V800S512G SSD

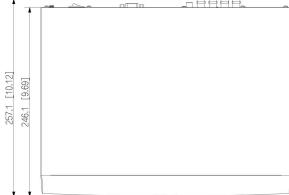
DHI-SSD-V800S1TB SSD



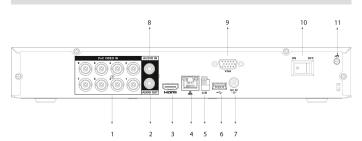
DHI-ARB1606 Alarm Box

# Dimensions (mm[inch])





## **Panels**



- 1 VIDEO IN
- 3 HDMI Port
- 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