



DH-XVR5108HS-I3

8CH Penta-brid 5MP Value/1080P Compact 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.

- * The information below only applies to hardware version 3.0. of the product.
- 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 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 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.











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.

Al Coding-ABR

Compared with H.265, AI 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.

Industrial-grade processor Embedded Linux Web; Local GUI rimeter Protection imeter Performance Al Recorder (Number of Innels) Ce Detection e Attributes e Detection formance of AI by Forder (Number of Innels) Ce Recognition e Recognition e Recognition formance of AI by Forder (Number of Innels) Ce Recognition e Recognition formance of AI by Forder (Number of Innels) Corder (Number of Innels)	Encoding Capacity Dual-stream Video Bit Rate Audio Sampling Audio Bit Rate Video Output Multi-screen Display
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formance of AI by 2 channels annels)	Third-party Camera Access
nnels)	Compression Standa
AD Dluc	Video Compression
TIU TIUS	Audio Compression
8 channels:	Network
Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change	Network Protocol
D Plus by Camera 12 channels	Mobile Phone Access
Video Quality Analytics	Interoperability
/ideo Quality Analytics 8 channels: Supports detecting brightness levels, color cast, defocus, overexposure, contrast levels, black and	Browser
Recorder white	Recording Playback
ene Changing	Record Mode
ne Changing by order 1 channel	
egular Black Block Masking	Recording Playback
gular Black Block	Backup Method
sking by Recorder	Playback Mode
dio and Video 8 BNC ports, supports HDCVI/AHD/TVI/CVBS auto-	Alarm
alog Camera Input detect	General Alarm
1. CVI: 5 MP@25 fps; 5 MP@20 fps; 5 MP@10/12.5 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@50/60 fps; 720p@25/30fps; nera Input 2. TVI: 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps: 720p@25/30 fps	Anomaly Alarm
fps; 720p@25/30 fps. 3. AHD: 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.	Intelligent Alarm
Up to 12 channels of IPC access	Alarm Linkage

Ports	
Audio Input	1-channel RCA 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

1 (10/100 Mbps Ethernet port, RJ-45)

Network Port General

00	
Power Supply	12 VDC, 2A
Power Consumption	<7 W(without HDD)
Net Weight	0.97 kg (2.14 lb)
Gross Weight	1.39 kg (3.07 lb)
Product Dimensions	260.0 mm \times 237.8 mm \times 47.6 mm (10.24" \times 9.37" \times 1.87") (W \times D \times H)
Packaging Dimensions	333.0 mm \times 89.0 mm \times 315.0 mm (13.11" \times 3.50" \times 12.40") (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: IEC 62368-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024, EN 55035

Ordering Information				
Туре	Model	Description		
DIGITAL VIDEO RECORDER	DH-XVR5108HS-I3	8CH Penta-brid 5MP Value/ 1080P Compact 1U 1HDD WizSense Digital Video Recorder		

Accessories

Optional:







DHI-SSD-V800S256G

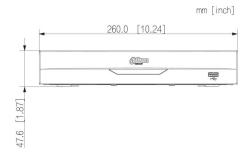
DHI-SSD-V800S512G SSD SSD

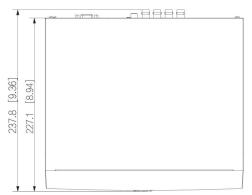
DHI-SSD-V800S1TB SSD



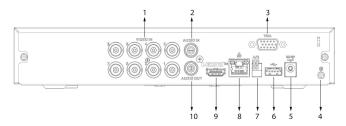
DHI-ARB1606 Alarm Box

Dimensions (mm[inch])





Panels



1 VIDEO IN

3 VGA Port

5 Power Input 7 RS-485 Port

9 HDMI Port

2 AUDIO IN, RCA Connector

4 Ground

6 USB Port

8 Network Port

10 AUDIO OUT, RCA Connector