



DH-XVR5108H-I3

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.

- * 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.



System Main Processor Industrial-grade processor Operating System Embedded Linux Operating Interface Web; Local GUI Perimeter Protection	
Operating System Embedded Linux Operating Interface Web; Local GUI	
Operating Interface Web; Local GUI	
Perimeter Protection	Encoding Capacity
	Encounty capability
Perimeter Performance Al by Recorder (Number of	
Channels) General Mode: 4 channels, 10 IVS rules for each channel	Dual-stream
Face Detection	Video Bit Rate
Face Attributes 6 attributes	Audio Sampling
Face Detection	Audio Bit Rate
Performance of AI by Recorder (Number of Channels) 2 channels (up to 8 face images/s each channel)	Video Output
Face Recognition	Multi-screen Display
Face Recognition Up to 10 face databases with 10,000 images. Face Recognition	Third-party Camera Access
Performance of AI by 2 channels	Compression Standard
Recorder (Number of Channels)	Video Compression
SMD Plus	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
SMD Plus by Camera 12 channels	
Al Video Quality Analytics	Mobile Phone Access
Al Video Quality Analytics cast defocus overexposure contrast levels black and	eroperability
by Recorder white	
Scene Changing Recording Playl	
Scene Changing by 1 channel	
Recorder Recording Playback Irregular Black Block Masking	
Irregular Black Block Widsking Backup Method	
Masking by Recorder 1 channel Playback Mode	
Audio and Video 8 RNC ports, supports HDCVI/AHD/DVI/CVRS auto Alarm	
Analog Camera Input 8 BNC ports, supports HDCVI/AHD/TVI/CVBS autodetect 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. Anomaly Alarm 2. TVI: 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.	
1ps; 720p@25/30 lps. 3. AHD: 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 Intelligent Alarm fps; 720p@25/30 fps.	



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

Ports

00110101	
Power Supply	12 VDC, 2A
Power Consumption	<7 W(without HDD)
Net Weight	1.17 kg (2.58 lb)
Gross Weight	1.78 kg (3.93 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: 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-XVR5108H-I3	8CH Penta-brid 5MP Value/ 1080P Mini 1U 1HDD WizSense Digital Video Recorder	

Accessories

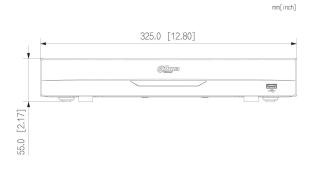
Optional:

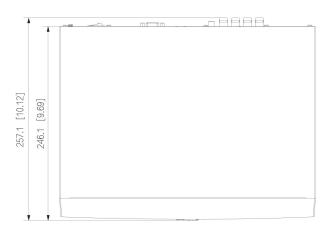




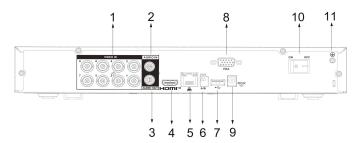
DHI-ARB1606 Alarm Box

Dimensions (mm[inch])





Panels



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