



DH-XVR5816S-I3

16CH Penta-brid 5MP Value/1080P 2U 8HDDs 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.

- 2-channel QuickPick 2.0 for analog channels which improves the efficiency of target retrieval.
- 16-channel SMD Plus for analog channels or 24-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.
- 16-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 24-channel IP camera input and each channel can be up to 8 MP. The incoming bandwidth reaches 128 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 AI Mode.

QuickPick 2.0

By employing the back-end perimeter protection algorithm, QuickPick 2.0 not only retains the capability to identify the color of clothing and vehicles, which was offered by its predecessor QuickPick 1.0, but it also possesses the enhanced ability to detect various types of hats, clothing and vehicles, thus greatly improving the accuracy of the search function.

*QuickPick 2.0 takes effect when Quick Pick is enabled in AI Mode.

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.

	IP Camera Input
ach h	Encoding Capacity
	Dual-stream
	Video Bit Rate
	Audio Sampling
	Audio Bit Rate
el)	Video Output
	Video Output
	Multi-screen Display
	Third-party Camera Access
le, d lighting	Compression Standa Video Compression
	Audio Compression
	Network
els, color ack and	Network Protocol
	Mobile Phone Access
	Interoperability
	Browser
	Network Mode
	Recording Playback
	Record Mode
/12.5 fps;	Recording Playback
0/60 fps;	Backup Method
x 0 fps;	Playback Mode

Storage	
Disk Group	Yes
Alarm	
General Alarm	Motion detection; local alarm; alarm box; HDCVI alarm; camera external alarm; network alarm; PIR alarm
Anomaly Alarm	Error (no disk, disk error, low space, low quota space; network disconnection; IP conflict; MAC conflict); video loss; video tampering; camera offline
Intelligent Alarm	Face detection; face recognition; perimeter protection; SMD Plus
Alarm Linkage	Record; snapshot (panoramic); local alarm output; IPC external alarm output; audio; buzzer; log; preset; email
Ports	
CVBS Output	1 channel
Audio Input	16-channel BNC (Coaxial Audio)
Audio Output	1-channel BNC
Two-way Talk	1-channel BNC
Alarm Input	16 channels
Alarm Output	6 channels
Disk Interface	8 SATA ports. Each disk can contain up to 16 TB. This limit varies depending on the environment temperature.
eSATA	1
RS-232	1
RS-485	1
USB	4(2 front USB 2.0 ports, 2 rear USB 3.0 ports)
HDMI	2
VGA	1
Network Port	2 (10/100/1000 Mbps Ethernet port, RJ-45)
General	
Power Supply	100–240 VAC, 50±2% Hz
Power Consumption	<15 W(without HDD)
Net Weight	6.72 kg (14.81 lb)
Gross Weight	9.32 kg (20.55 lb)
Product Dimensions	440.0mm × 463.0 mm × 94.9 mm (17.32" × 18.23" × 3.73") (W × D × H)
Packaging Dimensions	570.0 mm \times 570.0 mm \times 226.0 mm (22.44" \times 22.44" \times 8.90") (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 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

Ordering Information			
Type	Model	Description	
DIGITAL VIDEO RECORDER	DH-XVR5816S-I3	16CH Penta-brid 5MP Value/1080P 2U 8HDDs WizSense Digital Video Recorder	

Accessories

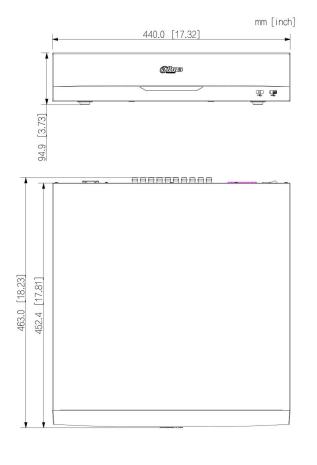
Optional:



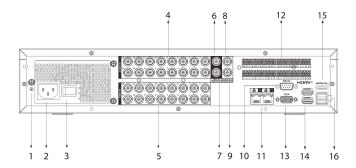


DHI-ARB1606 Alarm Box

Dimensions (mm[inch])



Panels



1 Ground 2 Power Input

3 Power Switch
 5 VIDEO IN
 6 MIC IN, BNC Connector
 7 MIC OUT, BNC Connector
 8 AUDIO OUT, BNC Connector

9 VIDEO OUT
 10 RS-232 Port
 11 Network Ports
 12 Alarm In/Out
 13 VGA Port
 14 HDMI Ports
 15 eSATA Port
 16 USB Ports