

# DH-XVR5216AN-I3-16P

## 16CH Penta-brid 5MP Value/1080P 1U 2HDDs 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 target retrieval efficiency.
- 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 6 MP. The incoming bandwidth reaches 128 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 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.

System  Main Processor Industrial-grade processor  Operating System Embedded Linux  Operating Interface Web; Local GUI  QuickPick 2, O Al by Recorder (Number of Channels)  Perimeter Protection  Perimeter Performance Al by Recorder (Number of Channels)  Perimeter Protection  Pace Detection  Face Detection  Face Detection  Face Detection  Face Recognition Face Re				
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Face Attributes  Face Detection Performance of Al by Recorder (Number of Channels)  Face Recognition	Perimeter Performance AI by Recorder (Number of	channel General Model: 4 channels, 10 IVS rules for each	Encoding Capacity	
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/ ZUDIW Z 3/ 3U TUS.			Browser	

Record Mode	General; alarm; motion detection; intelligent; POS
Recording Playback	1/4/9/16 It changes to 1/4/9 split when Face or IVS&SMD is selected in Al Mode.
Backup Method	USB device and network
Playback Mode	Instant playback; general playback; event playback; tag playback; smart playback
Storage	
Disk Group	Yes
Alarm	
General Alarm	Motion detection; 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); IPC external alarm output; audio; buzzer; log; preset; email
Ports	
CVBS Output	1 channel
Audio Input	1-channel RCA (external) 16-channel BNC (coaxial audio)
Audio Output	1-channel RCA
Two-way Talk	Yes (share the same audio input with the first channel)
Disk Interface	2 SATA ports. Each disk can contain up to 16 TB. This limit varies depending on the environment temperature.
RS-485	1
USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 port)
HDMI	1
VGA	1
Network Port	1 (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	1.80 kg (3.97 lb)
Gross Weight	4.13 kg (9.11 lb)
Product Dimensions	375.0 mm × 334.4 mm × 53.0 mm (14.76" × 13.17" × 2.09") (W × D × H)
Packaging Dimensions	449.0 mm × 170.0 mm × 421.0 mm (17.68" × 6.69" × 16.57") (W × D × 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

CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN
Certifications 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN
55024 FCC: Part 15 Subpart B

Ordering Information					
Туре	Model	Description			
DIGITAL VIDEO RECORDER	DH-XVR5216AN-I3-16P	16CH Penta-brid 5MP Value/1080P 1U 2HDDs WizSense Digital Video Recorder			

## Accessories

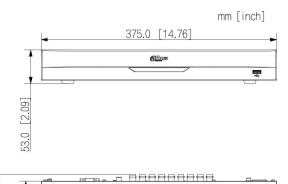
## Optional:

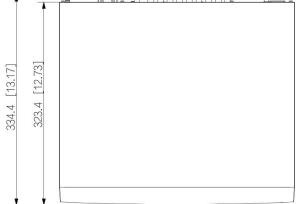




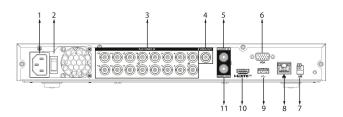
DHI-ARB1606 Alarm Box

## Dimensions (mm[inch])





## **Panels**



- 1 Power Input
- 3 VIDEO IN
- 5 AUDIO IN, RCA Connector
- 7 RS-485 Port
- 9 USB Port

- 2 Power Switch
- 4 VIDEO OUT
- 6 VGA Port
- 8 Network Port
- 10 HDMI Port
- 11 AUDIO OUT, RCA Connector