

# DH-XVR5216AN-4KL-I3/T

16CH Penta-brid 4K Value/5MP 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**

The XVR5000-4KL-I3/T series raises the bar on video recorders with its advanced high-resolution design, offering versatility to meet the demands of various applications and projects of different scales and budgets. Its strong compatibility with 5MP cameras ensures the delivery of clear and vivid live video feeds, making it highly recommended for use with 5MP cameras. Loaded with multiple Al functions, such as AcuPick, EPTZ and privacy protection, this series not only streamlines operations but also significantly reduces time and labor costs, contributing to a lower Total Cost of Ownership (TCO).

## **Functions**

#### Two-way talk

Allows for seamless communication between the camera, client and recorder over coaxial cable, and offers instant voice intercom and timely audio alerts.

### Face Recognition

Dahua Face Recognition technology extracts the features of captured faces and compares them with that in face database. \*Face Recognition conflicts with SMD Plus and Perimeter Protection.

- \* Dolynk cloud version: DMSS 2.3.0 and above, Dolynk Care 2.53.00 and above.
- 16-channel two-way talk over coaxial cable allows for seamless communication between the camera, client and recorder.
- 8-channel AcuPick for analog channels which improves the efficiency of target retrieval.
- 8-channel perimeter protection for analog channels which supports tripwire and intrusion detection powered by Al.
- 4-channel face recognition for analog channels which supports face comparison.
- 16-channel SMD Plus for analog channels or 32-channel SMD by camera which allows the device to trigger accurate alarms for humans and vehicles.
- 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 32-channel IP camera input and each channel can be up to 8 MP. The incoming bandwidth reaches 128 Mbps.
- Supports accessing Wi-Fi cameras, making it suitable for a wide range of scenes.
- Smart H.265+ and H.265 dual-stream video compression.













#### 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.

#### AcuPick

This industry-leading search technology effectively utilizes back-end intelligence to help with searching through massive video data to quickly and conveniently locate targets with greater precision.

#### 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.

#### **Enhanced Encoding**

Encoding Enhancement mode optimizes videos through real-time encoding to make them smoother and improve scene rendering.

System  Main Processor Industrial-grade processor	
Operating System Embedded Linux	Camera Input
Operating Interface Web; Local GUI	
AcuPick	
AcuPick AI by Recorder (Number of Channels) 8 channels	IP Camera Input
Perimeter Protection	
Perimeter Performance Al by Recorder (Number of Channels)  8 channels, 10 IVS rules for each channel	
Face Detection	
Face Attributes 6 attributes	
Face Detection Performance of AI by Recorder (Number of Channels)  4 channels (up to 12 face images/s each channel)	
Privacy Protection	
Privacy Protection Performance of Al by Recorder (Number of Channels)  1 channel	Encoding Capacity
Face Recognition	0 1 ,
Face Database Capacity Up to 10 face databases with 20,000 images.	
Face Recognition Performance of Al by Recorder (Number of Channels)  4 channels	
SMD	
16 channels: Secondary filtering for human and vehicle, reducing false alarms caused by leaves, rain and lighting condition change	
SMD by Camera 32 channels	
Al Video Quality Analytics	Dual-stream
by Recorder cast, defocus, overexposure, contrast levels, black and	o Bit Rate
white. Audio Sampli	
Scene Changing Audio Bit Rate	
Scene Changing by Recorder  1 channel	
Irregular Black Block Masking  Irregular Black Block Masking by Recorder  Video Output	
EPTZ Multi-screen Display	
EPTZ by Recorder 1 channel Third-party Camera A	CCESS
Audio and Video Compression Sta	
16 BNC ports, supports HDCVI/AHD/TVI/CVBS auto-	diluare

Audio Compression	G.711a; G.711u; PCM			
Network				
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; IPv6; RTSP; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; FTP; DDNS; SNMP; Alarm Server; P2P; Auto Registration; IP Search (Supports IP camera, DVR, NVS, etc.)			
Mobile Phone Access	iOS; Android			
Interoperability	ONVIF 25.06 (Profile T; Profile S; Profile G); CGI; SDK			
Browser	Chrome; IE; Safari; Edge; Firefox			
Recording Playback				
Record Mode	General; alarm; motion detection; intelligent; POS			
Recording Playback	1/4/9/16			
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				
Audio Input	4-channel RCA 16-channel BNC (Coaxial Audio)			
Audio Output	1-channel RCA			
Two-way Talk	Coaxial two-way talk: 16-channel BNC Local and network user two-way talk: Shares 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	12 VDC, 5 A			
Power Consumption	< 15 W (without HDD)			
Net Weight	1.75 kg (3.86 lb)			
Gross Weight	2.90 kg (6.39 lb)			

Product Dimensions	375.0 mm × 289.6 mm × 53.0 mm (14.76" × 11.40" × 2.09") (W × D × H)
Packaging Dimensions	427.0 mm $\times$ 137.0 mm $\times$ 356.0 mm (16.81" $\times$ 5.39" $\times$ 14.02") (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-LVD: IEC 62368-1:2014 CE-EMC: EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 55032:2015+A11:2020, EN 55035:2017+A11:2020, EN 55024:2010+A1:2015, EN 50130-4:2011+A1:2014

Ordering Information				
Туре	Model	Description		
DIGITAL VIDEO RECORDER	DH-XVR5216AN-4KL-I3/T	16CH Penta-brid 4K Value/5MP 1U 2HDDs WizSense Digital Video Recorder		
Accessories (Optional)	DH-NC300	802.11AX 300M WIRELESS ADAPTER		
	DH-NC650	802.11AC 650M WIRELESS ADAPTER		
	DHI-ARB1606	Alarm Box		

## Accessories

Optional:



DH-NC300 802.11AX 300M WIRELESS ADAPTER

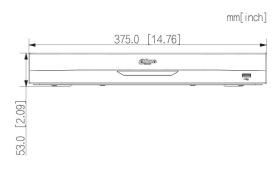


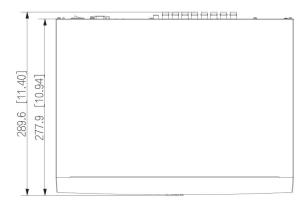
DH-NC650 802.11AC 650M WIRELESS ADAPTER



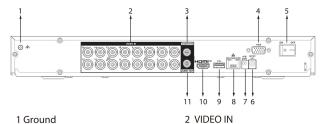
DHI-ARB1606 Alarm Box

# Dimensions (mm[inch])





# **Panels**



1 Ground 3 AUDIO IN, RCA Connector

4 VGA Port

5 Power Switch

6 Power Input

7 RS-485 Port

8 Network Port

9 USB Port

10 HDMI Port

11 AUDIO OUT, RCA Connector