



# DH-XVR5104HE-4KL-I3/T

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

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.
- 4-channel two-way talk over coaxial cable allows for seamless communication between the camera, client and recorder.
- 4-channel AcuPick for analog channels which improves the efficiency of target retrieval.
- 4-channel perimeter protection for analog channels which supports tripwire and intrusion detection powered by Al.
- 2-channel face recognition for analog channels which supports face comparison.
- 4-channel SMD Plus for analog channels or 8-channel SMD by camera which allows the device to trigger accurate alarms for humans and vehicles.
- 4-channel Al 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 8-channel IP camera input and each channel can be up to 8 MP. The incoming bandwidth reaches 64 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.

Technical Specificatio	n			
System				
Nain Processor	Industrial-grade processor	Camera Input		
Operating System	Embedded Linux			
Operating Interface	Web; Local GUI			
AcuPick	,			
AcuPick AI by Recorder				
(Number of Channels)	4 channels	IP Camera Input		
Perimeter Protection				
Perimeter Performance AI by Recorder (Number of Channels)	4 channels, 10 IVS rules for each channel			
Face Detection				
Face Attributes	6 attributes			
Face Detection Performance of AI by Recorder (Number of Channels)	2 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				
Face Database Capacity	Up to 10 face databases with 20,000 images.			
Face Recognition Performance of Al by Recorder (Number of Channels)	2 channels			
SMD				
SMD Plus by Recorder	4 channels: Secondary filtering for human and vehicle, reducing false alarms caused by leaves, rain and lighting condition change			
SMD by Camera	8 channels	Dual-stream		
Al Video Quality Anal	ytics	Video Bit Rate		
Al Video Quality Analytics	4 channels: Supports detecting brightness levels, color cast, defocus, overexposure, contrast levels, black and			
by Recorder	white.	Audio Pit Pato		
Scene Changing		Audio Bit Rate		
Scene Changing by Recorder	1 channel	Video Output		
Irregular Black Block Masking  Irregular Black Block				
Masking by Recorder EPTZ	1 channel	Multi-screen Display		
EPTZ by Recorder	1 channel	Third-party Camera Access		
Audio and Video		Compression Standa		
Addio and video	4 BNC ports, supports HDCVI/AHD/TVI/CVBS auto-	Video Compression		

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				
Backup Method	USB device and network				
Playback Mode	Instant playback; general playback; event playback; tag playback; smart playback				
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					
Audio Input	1-channel RCA 4-channel BNC (Coaxial Audio)				
Audio Output	1-channel RCA				
Two-way Talk	Coaxial two-way talk: 4-channel BNC Local and network user two-way talk: Shares the same audio input with the first channel				
Alarm Input	8 channels				
Alarm Output	3 channels				
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				
Network Port	1 (10/100 Mbps Ethernet port, RJ-45)				
General					
Power Supply	12 VDC, 2 A				
Power Consumption	< 7 W (without HDD)				
Net Weight	1.43 kg (3.15 lb)				
Gross Weight	1.89 kg (4.17 lb)				

Product Dimensions	325.0 mm × 257.1 mm × 55.0 mm (12.80" × 10.12" × 2.17") (W × D × H)	
Packaging Dimensions	374.0 mm $\times$ 119.0 mm $\times$ 311.0 mm (14.72" $\times$ 4.69" $\times$ 12.24") (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-XVR5104HE-4KL-I3/T	4CH Penta-brid 4K Value/5MP Mini 1U 1HDD WizSense Digital Video Recorder			
	DH-NC650	802.11AC 650M WIRELESS ADAPTER			
Accessories (Optional)	DH-NC300	802.11AX 300M WIRELESS ADAPTER			
	DHI-ARB1606	Alarm Box			

# Accessories

Optional:



DH-NC300 802.11AX 300M WIRELESS ADAPTER



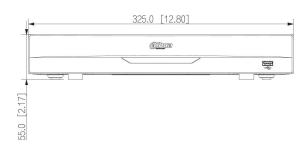
DH-NC650 802.11AC 650M WIRELESS ADAPTER

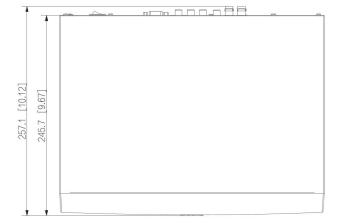


DHI-ARB1606 Alarm Box

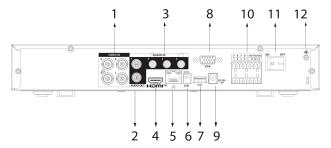
# Dimensions (mm[inch])







## **Panels**



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