



DH-XVR5204A-4KL-13

4CH 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

Dahua Technology, a world-leading video-centric smart IoT solution and service provider, debuted its new XVR series, XVR5000-4KL-I3 Series featuring max.full-channel SMD Plus to benefit customers from Al 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 conflicts with SMD Plus and Perimeter Protection.

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.

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.

EPTZ

With advanced target detection and tracking algorithms, Dahua EPTZ technology can simultaneously zoom in and track multiple humans and vehicles that trigger alarms. It provides rich details and a panoramic view at the same time.

- * The information below only applies to hardware version 3.0. of the product.
- 2-channel QuickPick 2.0 for analog channels which improves the efficiency of target retrieval.
- 1-channel Privacy Protection for analog channels which supports masking and restoring human faces that are detected in real time.
- 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 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.
- 4-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 8-channel IP camera input and each channel can be up to 8 MP. The incoming bandwidth reaches 64 Mbps.
- · Smart H.265+ and H.265 dual-stream video compression.

















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.

Privacy Protection

Dahua Privacy Protection technology is capable of masking detected human faces and subsequently removing the mask, ensuring the privacy of specific individuals is protected.

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.

HDMI (4K)

The HDMI port can support up to 4K output, delivering clear and highly detailed images.

Technical Specification		Audio and Video	
System		Analog Camera Input	
Main Processor	Industrial-grade processor		
Operating System	Embedded Linux		
Operating Interface	Web; Local GUI	Camera Input	
Quick Pick			
QuickPick 2.0 AI by Recorder (Number of Channels)	2 channels		
Perimeter Protection			
Perimeter Performance AI by Recorder (Number of Channels)	Advanced Mode: 2 channels, 10 IVS rules for each channel General Mode: 4 channels, 10 IVS rules for each channel	IP Camera Input	
Face Detection			
Face Attributes	6 attributes		
Face Detection Performance of AI by Recorder (Number of Channels)	2 channels(up to 8 face images/s each channel)		
Privacy Protection			
Privacy Protection Performance of AI by Recorder (Number of Channels)	1 channel		
Face Recognition		Encoding Capacity	
Face Database Capacity	Up to 10 face databases with 20,000 images.	Encouning Capacity	
Face Recognition Performance of AI by Recorder (Number of Channels)	2 channels		
SMD Plus			
SMD Plus by Recorder	4 channels: Secondary filtering for human and vehicle, reducing false alarms caused by leaves, rain and lighting condition change		
SMD Plus by Camera	8 channels		
Al Video Quality Anal	ytics		
Al Video Quality Analytics	4 channels: Supports detecting brightness levels, color	Dual-stream	
by Recorder	cast, defocus, overexposure, contrast levels, black and white	Video Bit Rate	
Scene Changing		Audio Sampling	
Scene Changing by Recorder	1 channel	Audio Bit Rate	
Irregular Black Block I	Masking	Video Output	
Irregular Black Block Masking by Recorder	1 channel	Video Output	
EPTZ		Multi-screen Display	
EPTZ by Recorder	1 channel		
		Third-party Camera Access	

Audio and Video			
Analog Camera Input	4 BNC ports, supports HDCVI/AHD/TVI/CVBS autodetect		
Camera Input	1. CVI: 4K@25/30 fps; 4K@12.5/15 fps; 6 MP@20 fps; 5 MP@25 fps; 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps; 720p@50/60 fps. 2. TVI: 4K@15 fps; 5 MP(2560 x 1944)@20 fps; 5 MP(2960 x 1665)@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps. 3. AHD: 4K@15 fps; 5 MP@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.		
IP Camera Input	Up to 8 channels of IPC access 4 IP channels by default + 4 channels (analog channels are converted to IP channels) Incoming bandwidth: 64 Mbps, recording bandwidth: 64 Mbps and outgoing bandwidth: 64 Mbps *After IP extension is enabled, EPTZ, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, SMD, Perimeter Protection, QuickPick 2.0 and Privacy Protection cannot be used.		
Encoding Capacity	Encode Enhancement disabled: Main stream: the 1st channel 4K@(1 fps-10 fps), others 4K@(1 fps-7 fps); the 1st channel 5 MP@(1 fps-20 fps), others 5 MP@(1 fps-12 fps); the 1st channel 4K-N/4 MP/3 MP@(1 fps-20 fps), others 4K-N/4 MP/3 MP@(1 fps-20 fps), others 4K-N/4 MP/3 MP@(1 fps-15 fps); 4K@(1 fps-8 fps); 6 MP@(1 fps-15 fps); 5 MP@(1 fps-15 fps); 5 MP@(1 fps-15 fps); 5 MP@(1 fps-25/30 fps) Sub stream: 960H@(1 fps-15 fps); D1/CIF@(1 fps-25/30 fps) Encode Enhancement enabled: Main stream: the 1st channel 4K@(1 fps-15 fps), others 4K@(1 fps-7 fps); the 1st channel 6 MP@(1 fps-20 fps), others 6 MP@(1 fps-10 fps); the 1st channel 5 MP@(1 fps-25 fps), others 5 MP@(1 fps-12 fps); the 1st channel 4K-N/4 MP/3 MP@(1 fps-25/30 fps), others 4K-N/4 MP/3 MP@(1 fps-15 fps); 4K/6 MP@(1 fps-10 fps);5 MP@(1 fps-15 fps); 4M-N/1080p/720p/960H/D1/CIF@(1 fps-25/30 fps) Sub stream: 960H@(1 fps-15 fps); D1/CIF@(1 fps-25/30 fps) *When Encode Enhancement is enabled, EPTZ, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, Perimeter Protection, QuickPick 2.0 and Privacy Protection cannot be used.		
Dual-stream	Yes		
Video Bit Rate	32 kbps-6144 kbps		
Audio Sampling	8 kHz, 16 bit		
Audio Bit Rate	64 kbps		
Video Output	1 HDMI, 1 VGA HDMI: 3840×2160 , 1920×1080 , 1280×1024 , 1280×720 VGA: 1920×1080 , 1280×1024 , 1280×720 *Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable.		
Multi-screen Display	When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/8/9		
Third-party Camera Access	Panasonic; Sony; Hanwha; Axis; Arecont; ONVIF		

Network Protocol 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 DNVIF 24.06 (Profile T; Profile S; Profile G); CGI; SDK Browser Chrome; IE; Safari; Edge; Firefox Record Mode General; alarm; motion detection; intelligent; POS Recording Playback I/4 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; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR 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 Alarm Linkage Pace detection; face recognition; perimeter protection; SMD Plus Alarm Linkage Ports Audio Input 4-channel RCA 4-channel RCA 4-channel BNC (Coaxial Audio) Audio Output 1-channel RCA	Compression Standa	ard
Network Protocol Network Protocol Network Protocol Network Protocol Network Protocol Network Protocol Nos; SMTP; UPnP; IP Filter; FTP; DDNS; SMMP; Alarm Server; P2P; Auto Registration; IP Search (Supports IP camera, DVR, NVS, etc.) Mobile Phone Access IOS; Android Interoperability ONVIF 24.06 (Profile T; Profile S; Profile G); CGI; SDK Browser Chrome; IE; Safari; Edge; Firefox Record Mode General; alarm; motion detection; intelligent; POS Recording Playback Playback Mode Instant playback; general playback; event playback; tag playback; smart playback Storage Disk Group Yes Alarm General Alarm Motion detection; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR 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 Ports Audio Input 4-channel RCA 4-channel RCA 4-channel RCA 4-channel RCA 4-channel RCA 3 channels Alarm Output 1 channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Output 3 channels 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RI-45)	Video Compression	Al Coding; Smart H.265+; H.265; Smart H.264+; H.264
Network Protocol Nos; SMTP; UPnP; IP Filter; FTP; DDNS; SMMP; Alarm Server; P2P; Auto Registration; IP Search (Supports IP camera, DVR, NVS, etc.) Nobile Phone Access IOS; Android NoVIF 24.06 (Profile T; Profile S; Profile G); CGI; SDK Browser Chrome; IE; Safari; Edge; Firefox Record Mode General; alarm; motion detection; intelligent; POS Recording Playback I/4 Backup Method USB device and network Instant playback; general playback; event playback; tag playback; smart playback smart playback stag playback; smart playback Storage Disk Group Yes Alarm Motion detection; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR 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; emai Ports Audio Input 4-channel RCA 4-channel RCA 4-channel RCA 4-channel RCA 3 channels Alarm Output 3 channels Alarm Output 3 channels 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RI-45)	Audio Compression	G.711a; G.711u; PCM
Network Protocol DNS; SMTP; UPnP; IP Filter; FTP; DDNS; SMMP; Alarm Server; P2P; Auto Registration; IP Search (Supports IP camera, DVR, NVS, etc.) Mobile Phone Access IOS; Android Interoperability ONVIF 24.06 (Profile T; Profile S; Profile G); CGI; SDK Browser Recording Playback Record Mode General; alarm; motion detection; intelligent; POS Recording Playback Recording Playback Recording Playback Record Mode General; alarm; motion detection; intelligent; POS Recording Playback Recording Playback I/4 Backup Method USB device and network Instant playback; general playback; event playback; tag playback; smart playback; smart playback Storage Disk Group Ves Alarm General Alarm Motion detection; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR alarm Ferror (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; emai Ports Audio Input 4-channel RCA 4-channel RCA 4-channel RCA 4-channel RCA 1-channel RCA 3 channels Alarm Output 1 Channel RCA 1 (10/100 Mbps Ethernet port, RI-45) General	Network	
Interoperability ONVIF 24.06 (Profile T; Profile S; Profile G); CGI; SDK Browser Chrome; IE; Safari; Edge; Firefox Record Mode General; alarm; motion detection; intelligent; POS Recording Playback Recording Playback Instant playback; general playback; event playback; tag playback; smart playback; general playback; tag playback; smart playback Storage Disk Group Yes Alarm General Alarm Motion detection; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR 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 Record; snapshot (panoramic); local alarm output; IPC external alarm output; audio; buzzer; log; preset; emai Ports Audio Input 4-channel RCA 4-channel RCA 4-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 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 2.0 port) HDMI VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	Network Protocol	Server; P2P; Auto Registration; IP Search (Supports IP
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 general playback; event playback; tag playback; smart playback smart playback; event playback; tag playback; smart playback Storage Disk Group Yes Alarm General Alarm Motion detection; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR 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; emai Ports Audio Input 4-channel RCA 4-channel BNC (Coaxial Audio) Audio Output 1-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 3 channels 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45)	Mobile Phone Access	iOS; Android
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 Storage Disk Group Yes Alarm General Alarm Motion detection; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR alarm Error (no disk, disk error, low space, low quota space; network disconnection; Pe 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 4-channel RCA 4-channel RCA 4-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 3 channels Alarm Output 3 channels Alarm Output 4-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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45)	Interoperability	ONVIF 24.06 (Profile T; Profile S; Profile G); CGI; SDK
Record Mode Recording Playback 1/4 Backup Method USB device and network Playback Mode Instant playback; general playback; event playback; tag playback Mode Playback Mode Playback Mode Storage Disk Group Yes Alarm General Alarm Motion detection; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR 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 Record; snapshot (panoramic); local alarm output; IPC external alarm output; audio; buzzer; log; preset; emai Ports Audio Input 4-channel RCA 4-channel RCA 4-channel RCA 1-channel RCA 1-channel RCA 2-channel RCA 3-channel RCA 1-channel RCA 1-channel RCA 1-channel RCA 1-channel RCA 1-channel RCA 2-channel RCA 3-channels 1-channels 1-c	Browser	Chrome; IE; Safari; Edge; Firefox
Recording Playback Backup Method USB device and network Playback Mode Instant playback; general playback; event playback; tag playback Mode Storage Disk Group Yes Alarm General Alarm Motion detection; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR 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 4-channel RCA 4-channel RCA 4-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 3 channels Disk Interface 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)	Recording Playback	
Backup Method USB device and network Instant playback; general playback; event playback; tag playback Mode Storage Disk Group Yes Alarm General 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 4-channel RCA 4-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 3 channels 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45)	Record Mode	General; alarm; motion detection; intelligent; POS
Playback Mode Instant playback; general playback; tag playback; smart playback; tag playback; smart playback; smart playback; tag playback; smart playback; smart playback; tag playback; smart pl	Recording Playback	1/4
Playback Mode Storage Disk Group Yes Alarm General Alarm Motion detection; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR 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; emai Ports Audio Input 4-channel RCA 4-channel BNC (Coaxial Audio) Audio Output 1-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 3 channels 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RI-45)	Backup Method	USB device and network
Alarm General Alarm Motion detection; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR 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; emai Ports Audio Input 4-channel RCA 4-channel BNC (Coaxial Audio) Audio Output 1-channel RCA Wes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 3 channels 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45)	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 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; emai Ports Audio Input 4-channel RCA 4-channel RCA 4-channel BNC (Coaxial Audio) Audio Output 1-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 3 channels Disk Interface 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)	Storage	
General Alarm Motion detection; local alarm; alarm box; HDCVI alarm camera external alarm; network alarm; PIR 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 Record; snapshot (panoramic); local alarm output; IPC external alarm output; audio; buzzer; log; preset; email Ports Audio Input 4-channel RCA 4-channel RCA 4-channel BNC (Coaxial Audio) Audio Output 1-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45)	Disk Group	Yes
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 Record; snapshot (panoramic); local alarm output; IPC external alarm output; audio; buzzer; log; preset; email Ports Audio Input 4-channel RCA 4-channel RCA 4-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 3 channels Disk Interface 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	Alarm	
Anomaly Alarm network disconnection; IP conflict; MAC conflict); video loss; video tampering; camera offline Intelligent Alarm Face detection; face recognition; perimeter protection; SMD Plus Record; snapshot (panoramic); local alarm output; IPC external alarm output; audio; buzzer; log; preset; email Ports Audio Input 4-channel RCA 4-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	General Alarm	Motion detection; local alarm; alarm box; HDCVI alarm; camera external alarm; network alarm; PIR alarm
SMD Plus Record; snapshot (panoramic); local alarm output; IPC external alarm output; audio; buzzer; log; preset; email Ports Audio Input 4-channel RCA 4-channel BNC (Coaxial Audio) Audio Output 1-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	Anomaly Alarm	network disconnection; IP conflict; MAC conflict); video
Alarm Linkage external alarm output; audio; buzzer; log; preset; email Ports Audio Input 4-channel RCA 4-channel BNC (Coaxial Audio) Audio Output 1-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 3 channels 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	Intelligent Alarm	Face detection; face recognition; perimeter protection; SMD Plus
Audio Input 4-channel RCA 4-channel BNC (Coaxial Audio) Audio Output 1-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	Alarm Linkage	Record; snapshot (panoramic); local alarm output; IPC external alarm output; audio; buzzer; log; preset; email
Audio Input 4-channel BNC (Coaxial Audio) Audio Output 1-channel RCA Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 3 channels 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	Ports	
Two-way Talk Yes (share the same audio input with the first channel) Alarm Input 8 channels Alarm Output 3 channels 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	Audio Input	
Alarm Input 8 channels Alarm Output 3 channels 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	Audio Output	1-channel RCA
Alarm Output 3 channels 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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	Two-way Talk	Yes (share the same audio input with the first channel)
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 2.0 port) HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	Alarm Input	8 channels
Disk Interface 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	Alarm Output	3 channels
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	Disk Interface	TB This limit varies depending on the environment
HDMI 1 VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	RS-485	1
VGA 1 Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)
Network Port 1 (10/100 Mbps Ethernet port, RJ-45) General	HDMI	1
General	VGA	1
	Network Port	1 (10/100 Mbps Ethernet port, RJ-45)
Power Supply 12 VDC, 4 A	General	
	Power Supply	12 VDC, 4 A

Power Consumption	<7 W (without HDD)	
Net Weight	1.60 kg (3.53 lb)	
Gross Weight	2.81 kg (6.20 lb)	
Product Dimensions	375.0 mm × 289.6 mm × 53.0 mm (14.76" × 11.40" × 2.09") (W × D × H)	
Packaging Dimensions	433.0 mm × 141.0 mm × 366.0 mm (17.05" × 5.56" × 14.41") (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	
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-XVR5204A-4KL-I3	4CH Penta-brid 4K Value/5MP 1U 2HDDs WizSense Digital Video Recorder		

Accessories

Optional:







DHI-SSD-V800S256G SSD

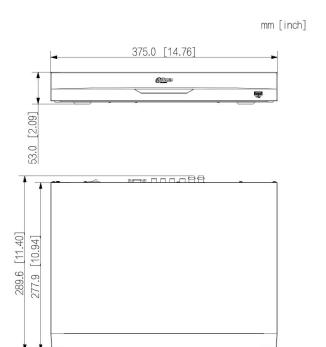
DHI-SSD-V800S512G SSD

DHI-SSD-V800S1TB SSD

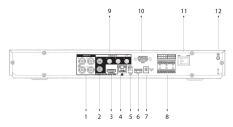


DHI-ARB1606 Alarm Box

Dimensions (mm[inch])



Panels



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