

DH-XVR5108HS-4KL-I3

8 Channel Penta-brid 4K-N/5MP Compact 1U 1HDD WizSense Digital Video Recorder



Wiz Sense

Launched by Dahua Technology, WizSense is a series of Al products and solutions that adopt independent AI 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 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

Real Time Face Recognition

Video stream real time face recognition. Facial attributes analysis features including gender, age, expression, glasses, moustache, face mask. Identify people and also capture, record faces with metadata. Facial feature filtering while real time display, only show faces with target features.

Perimeter Protection

Automatically filtering out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act secondary recognition for the targets. Improving 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.

- H.265+/H.265 dual-stream video compression
- Supports Full-channel AI Coding
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 16 channels IP camera inputs, each channel up to 8MP; Max 128 Mbps incoming bandwidth
- · Up to 2 channels video stream (analog channel) Perimeter Protection
- · Up to 8 channels video stream (analog channel) SMD Plus
- Up to 2 channels video stream (analog channel) human face recognition
- IoT & POS functionalities
- Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable



AI Coding

Compared with H.265/H.264, AI coding can reduce more than 50% bit rate and storage requirements while have no loss of decoding compatibility, providing clear human and vehicle details.

Smart H.265+

Smart Codec, H.265+ can reduce up to 90% bit rate and storage requirements compared with H.264 without having to invest in new cameras.

HDCVI/AHD/TVI/CVBS Auto-detect

The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

High Definition Camera Input

The XVR supports up to 4K HDCVI camera and 8MP IP camera input.

Coaxial Audio/Upgrade/Alarm

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

Long Distance Transmission

The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 700 m for 4K/4MP, 800 m for 1080p and 1200 m for 720p.

AI Search

Support AI seach by metadata of different targets or uploading face pictures to device and comparing them with recorded faces by similarity. Enable operators to quickly and easily search through multi channels and long duration, efficiently find out when and where a person of interest appeard.

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Onvif, RTSP, Panasonic, Sony, Axis, Arecont, Pelco, Canon, **Technical Specification** Third-party Camera Access Samsung System **Compression Standard** Main Processor Embedded processor Video Compression Embedded Linux **Operating System** Audio Compression Perimeter Protection Network Perimeter Performance AI Network Protocol by Recorder (Number of 2 channels Channels) **Mobile Phone Access** Face Detection Interoperability 6 attributes: Gender, age groups (6), glasses, expressions Face Attributes (8), face mask, beard, with up to four detection panels Browser displayed at the same time Face Detection Network Mode Performance of AI by 2 channels, and a single channel can detect up to 12 Recorder (Number of faces. **Recording Playback** Channels) Face Recognition Record Mode Face Database Capacity Up to 10 face databases and 20,000 pictures. **Recording Playback** 1/4/09 Face Recognition Backup Method Performance of AI by 2 channels Recorder (Number of Channels) Playback Mode **SMD** Plus Alarm Full-channel SMD Plus (AI by recorder), secondary filtering for human and motor vehicle SMD Plus, reducing SMD Plus by Recorder General Alarm false alarms caused by leaves, rain and lighting condition alarm change Anomaly Alarm conflict Audio and Video Intelligent Alarm 8 channels, BNC: adaptive access by default; HDCVI, Analog Camera Input AHD, TVI and CVBS access can be configured. 1. CVI: 4K, 6MP, 5MP, 4MP, 1080p@25/30 fps, Alarm Linkage 720p@50/60 fps, 720p@25/30 fps 2. TVI: 4K, 5MP, 4MP, 3MP, 1080p@25/30, 720p@25/30 Camera Input Ports fps 3. AHD: 4K, 5MP, 4MP, 3MP, 1080p@25/30, 720p@25/30 fps Audio Input 8+8 channels, each channel up to 8MP IP Camera Input *After IP channels are added beyond the existing channels, the AI Audio Output 1, RCA Function (IVS, SMD, FACE) will be disabled. All channel 4K (1 fps-7 fps); 6MP (1 fps-10 fps); Two-way Talk 5MP (1 fps-12 fps); 4K-N, 4MP/3MP (1 fps-15 fps); **Encoding Capacity** 4M-N/1080p/720p/960H/D1/CIF (1 fps-25/30 fps); HDD Interface Supported (960H (1 fps-15 fps); D1/CIF (1 fps-25/30 Dual-stream RS-485 fps)). PAL: 1 fps-25 fps. Video Frame Rate USB NTSC: 1 fps-30 fps. Video Bit Rate 32 Kbps-6144 Kbps Per Channel HDMI 8 KHz, 16 bit Per Channel Audio Sampling VGA Audio Bit Rate 64 Kbps Per Channel Network Port Bit Rate Type Video stream and composite stream. General 1 HDMI ,1 VGA DC12V. 2A Power Supply HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 Video Output **Power Consumption** VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 *Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable Net Weight When IP extension mode not enabled: 1/4/8/9 Multi-screen Display 1.5 kg (3.31 lb) Gross Weight When IP extension mode enabled: 1/4/8/9/16

AI Coding/H.265+/H.265/H.264+/H.264 G.711A/G.711u/PCM HTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS, P2P iPhone, iPad, Android ONVIF 16.12, CGI Conformant Chrome, IE9 or above, Firefox Single-address mode Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop USB Device/Network Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection) Motion detection, Video Loss, tampering, and local No disk, disk error, low space, offline, ip conflict, MAC Face detection, face recognition, perimeter protection Record, snapshot (panoramic), IPC external alarm output, access controller, voice prompt, buzzer, log, preset, email 1, RCA (external) 8. BNC (coaxial) Yes (share the same audio input with the first channel) 1 SATA Port, up to 16TB for a single HDD, the maximum HDD capacity varies with environment temperature 1 Port, for PTZ Control 2 USB Ports (1 USB 2.0, 1 USB 3.0) 1 (10/100/1000 Mbps Ethernet port, RJ-45) Lower than 10 W 0.9 kg (1.98 lb)

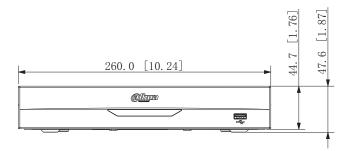
Wiz Sense | DH-XVR5108HS-4KL-I3

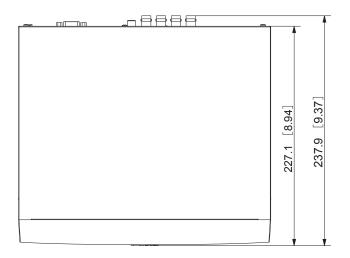
Product Dimensions	Compact 1U, 260.0 mm × 237.4 mm × 47.6 mm (W × D × H) 10.24" × 9.35" × 1.87" (W × D × H)	
Packaging Dimensions	333.0 mm × 89.0 mm × 315.0 mm (L × W × H) 13.11" × 3.50" × 12.40" (L× W × H)	
Operating Temperature	–10 °C to +55 °C (+14 °F to +131 °F)	
Operating Humidity	10%–90%	
Installation	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	

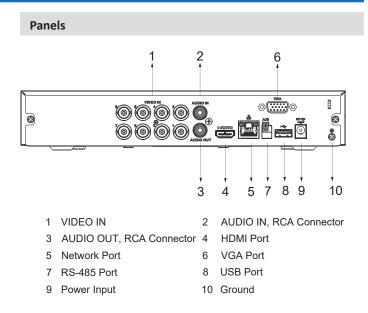
Ordering Information

Туре	Model	Description
8 Channels	DH-XVR5108HS-	Compact 1U DIGITAL VIDEO
WizSense XVR	4KL-I3	RECORDER

Dimensions (mm[inch])







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