



DH-XVR5104HS-I3

4 Channels Penta-brid 5M-N/1080P Compact 1U 1HDD WizSense Digital Video Recorder





Launched by Dahua Technology, WizSense is a series of AI 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-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 to recognize the person identity.

*Face Recognition takes effect when Face is selected in AI Mode.

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

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 Al Mode.

- · H.265+/H.265 dual-stream video compression
- · Supports Full-channel AI-Coding
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 6 channels IP camera inputs, each channel up to 6MP; Max 32
 Mbps incoming bandwidth
- Up to 2 channels video stream (analog channel) Perimeter Protection
- Up to 4 channels video stream (analog channel) SMD Plus
- Up to 1 channels video stream (analog channel) human face recognition
- · IoT & POS functionalities



Smart Dual Illuminators

With Smart Dual Illuminators technology, you can select Smart Illumination Mode for the system to automatically switch between IR mode and white light mode. It allows white light to be turned on when a target is detected by the SMD Plus/Perimeter Protection function of Al-enabled XVR. This significantly reduces light pollution at night. Together with other modes, including IR Mode and White Light Mode, the smart dual illumination technology can meet the requirements of a wide variety of scenes.

One-click Arming/Disarming

With just one click, you can enable or disable alarm linkages to show messages, send emails, output audio alarms and more, through the mobile app and platform.

Customizable Alarm Audio

Designed for your convenience, the TiOC alarm can be customized to meet your needs. It is flexible, allowing you to directly upload your customized audio through the mobile app and XVR.

AI Coding

Compared with H.265/H.264, Al coding can reduce more than 50% bit rate and storage requirements without loss of decoding compatibility, providing clear human and vehicle details.

Audio over Coax

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

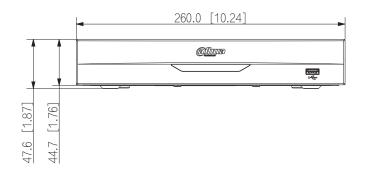
Technical Specification			Compression Standard	
System			Video Compression	Al Coding; H.265+; H.265; H.264+; H.264
Main Processor	Industrial-grade processor		Audio Compression	G.711a; G.711u; PCM
Operating System	Embedded Linux		Network	
Operating Interface	Web; Local GUI		Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; P2P
Perimeter Protection			Mobile Phone Access	iOS; Android
Perimeter Performance Al by Recorder (Number of Channels)	Advanced Model : 1 channel, 10 IVS for each channel General Model : 2 channels, 10 IVS for each channel		Interoperability	ONVIF 21.06; CGI Conformant
Face Detection			Browser	Chrome IE9 or later Firefox
Face Attributes	Gender; age group; glasses; expressions; face mask; beard		Network Mode	Single-address mode
Face Detection	1 channel, (up to 8 face images/s)		Recording Playback	
Performance of AI by Recorder (Number of			Record Mode	General, motion detection; intelligent; alarm; POS
Channels) Face Recognition			Recording Playback	1/4
Face Database Capacity	Up to 10 face databases and 10,000 images.		Backup Method	USB device and network
Face Recognition Performance of AI by	1 channel		Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)
Recorder (Number of Channels)			Alarm	
SMD Plus			General Alarm	Motion detection, video loss, tampering
SMD Plus by Recorder	4-channel: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and		Anomaly Alarm	No disk, disk error, low space, offline, ip conflict, MAC conflict
Audio and Video	lighting condition change		Intelligent Alarm	Face detection, face recognition, perimeter protection
Analog Camera Input	4 channels, BNC: adaptive access by default; HDCVI, AHD,		Alarm Linkage	Record, snapshot (panoramic), IPC external alarm output, access controller, voice prompt, buzzer, log, preset, email
	TVI and CVBS access can be configured. 1. CVI: 5 MP, 4 MP, 1080p@25/30 fps, 720p@50/60 fps,		Ports	
Camera Input	720p@25/30 fps. 2. TVI: 5 MP, 4 MP, 1080p@25/30 fps, 720p@25/30 fps. 3. AHD: 5 MP, 4 MP, 1080p@25/30 fps, 720p@25/30 fps. 4. CVBS: PAL/NTSC		Audio Input	1-channel RCA 4-channel BNC (Coaxial Audio)
			Audio Output	1-channel RCA
	Up to 6 channels of IPC access 2 IP channels by default + 4 channels (analog channels are converted to IP channels) incoming bandwidth: 32 Mbps, recording bandwidth: 32 Mbps and outgoing bandwidth: 32 Mbps *After IP channels are added beyond the existing channels, the AI Function (IVS, SMD, FACE) will be		Two-way Talk	Yes (share the same audio input with the first channel)
IP Camera Input			HDD Interface	1 SATA port, up to 16 TB. The maximum HDD capacity varies with environment temperature.
			RS-485	1 port, for PTZ control
Encoding Capacity	disabled. Main stream: All channel 5M-N (1 fps–10 fps); 4M-N/1080p (1 fps–15 fps); 1080N/720p/960H/ D1/CIF (1 fps–25/30 fps)		USB	2 USB ports (USB 2.0)
			HDMI	1
Dual-stream	Sub stream: D1/CIF (1 fps–15fps) Yes		VGA	1
Video Bit Rate	32 kbps-6144 kbps		Network Port	1 (10/100 Mbps Ethernet port, RJ-45)
Audio Sampling	8 kHz, 16 bit		General	
Audio Bit Rate	64 kbps		Power Supply	12 VDC, 1.5 A
Video Output	1 HDMI, 1 VGA		Power Consumption	<4 W
	HDMI/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6		Net Weight	1.0 kg (2.20 lb)
Multi-screen Display			Gross Weight	1.4 kg (3.08 lb)
Third-party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Samsung		Product Dimensions	260.0 mm \times 237.9 mm \times 47.6 mm (10.24" \times 9.37" \times 1.87") (W \times D \times H)

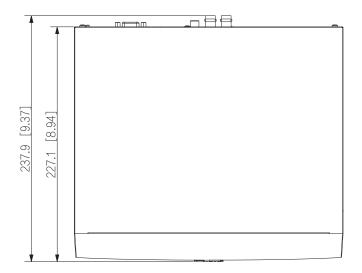
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Packaging Dimensions	333.0 mm × 315.0 mm × 89.0 mm (13.11" × 12.40 × 3.50") (W× D × H)		
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)		
Operating Humidity	0%-90% (RH)		
Installation	Desktop		
Certifications	FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2; EN 61000-3-3; EN 55032; EN50130; EN 55024		

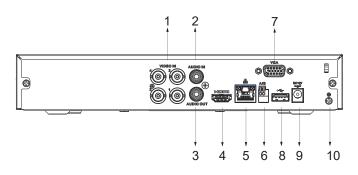
Ordering Information				
Туре	Model	Description		
4 Channels WizSense XVR	DH-XVR5104HS-I3	Compact 1U WizSense Digital Video Recorder		

Dimensions (mm[inch])





Panels



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