



DH-XVR5104H-13

4CH Penta-brid 5M-N/1080P 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

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 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 takes effect when Face is selected in Al 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 AI Mode.

- * The parameters and datasheets below can only be applied to Hardware Version 3.0.
- 4-ch SMD Plus for analog channel to achieve accurate alarm for human and vehicles.
- 4-ch Perimeter Protection for analog channel to detect tripwire and intrusion violation powered by AI.
- 1-ch Face Recognition for analog channel to realize face comparison.
- 4-ch Al Coding to save storage and bandwidth costs while maintaining target details.
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs.
- Up to 6-ch IP camera inputs and each channel supports up to 6 MP. Max 32 Mbps incoming bandwidth.
- · Smart H.265+/H.265 dual-stream video compression.
- IoT & POS functionalities.



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.

Smart Dual Light

With Smart Dual Light 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 light 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.



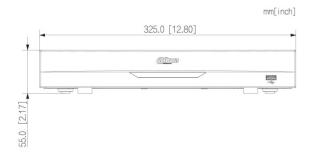
Technical Specification	on .	Compression Stand	lard
·		Video Compression	Al Coding; Smart H.265+; H.265; Smart H.264+;
System Main Processor	Industrial-grade processor	Audio Compression	G.711a; G.711u; PCM
		Network	
Operating System	Embedded Linux	Network	HTTP; HTTPS; TCP/IP; IPv4; IPv6; UDP; NTP; DHC
Operating Interface	Web; Local GUI	Network Protocol	SMTP; UPnP; IP Filter; FTP; DDNS; Alarm Server; F Auto Registration; IP Search (Supports IP camera,
Perimeter Protection			NVS, etc.)
Perimeter Performance AI by Recorder (Number of	Advanced Model: 2 channels, 10 IVS rules for each channel General Model: 4 channels, 10 IVS rules for	Mobile Phone Access	IOS; Android
Channels)	each channel	Interoperability	ONVIF 21.12(Profile T; Profile S; Profile G); CGI; S
Face Detection		Browser	Chrome; Firefox; IE 9 or later
Face Attributes	6 attributes	Network Mode	Single-address mode
Face Detection	1 channel (up to 8 face images/s each channel))	Recording Playback	
Performance of AI by Recorder (Number of		Record Mode	General, motion detection; intelligent; alarm; PC
Channels)		Recording Playback	Up to 4 channels
Face Recognition		Backup Method	USB device and network
Face Database Capacity	Up to 10 face databases with 10,000 images.	Playback Mode	Instant playback, general playback, event playba
Face Recognition Performance of AI by		,	playback, smart playback (face and motion dete
Recorder (Number of Channels)	1 channel	Alarm	
,		General Alarm	Motion detection; alarm box; camera external a network alarm; PIR alarm
SMD Plus			Error (no disk, disk error, low space, low quota s
SMD Plus by Recorder	4 channels: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and	Anomaly Alarm	network disconnection; IP conflict; MAC conflict loss; video tampering; camera offline
	lighting condition change	Intelligent Alarm	Face detection; face recognition; perimeter prot
Audio and Video		-	Record; snapshot (panoramic); IPC external alar
Analog Camera Input	4 BNC ports, supports HDCVI/AHD/TVI/CVBS auto-detect	Alarm Linkage	output; audio; buzzer; log, preset; email
	1. CVI: 5 MP@25 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@50/60 fps; 720p@25/30 fps. 2. TVI: 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps. 3. AHD: 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.	Ports	
Camera Input		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 Al Function (IVS、SMD、Face) will be disabled.	Two-way Talk	Yes (share the same audio input with the first ch
IP Camera Input		HDD Interface	1 SATA port, up to 16TB capacity. The maximum capacity varies with environment temperature.
		RS-485	1
		USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)
Encoding Capacity	Main stream: 5M-N@(1 fps-10 fps); 4M-N/1080p@(1 fps-15 fps); 1080N/720p/960H/D1/CIF@(1 fps-25/30	HDMI	2 (1 Holit OSB 2.0 port, 1 real OSB 2.0 port)
chedding Capacity	fps) Sub stream: D1/CIF@(1 fps—15 fps)		
Dual-stream	Yes	VGA	1 /10/100 Mbps Ethernet part PL 45)
/ideo 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, 1.5A
Video Output	1 HDMI, 1 VGA HDMI: 1920 × 1080, 1280 × 1024, 1280	Power Consumption	<5 W (without HDD)
·	x 720 VGA: 1920 x 1080, 1280 x 1024, 1280 x 720	Net Weight	1.29 kg (2.84 lb)
	When IP extension mode not enabled: 1/4 When IP	Gross Weight	1.74 kg (3.84 lb)
Multi-screen Display	extension mode enabled: 1/4/6		

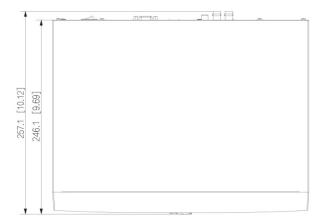


Packaging Dimensions	372.0 mm x 117.0 mm x 308.0 mm (14.65" x 4.61" x 12.13") (W x D x H)	
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)	
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)	
Operating Humidity	≤93% (RH)	
Installation	Rack or desktop	
Certifications	CE-LVD: IEC 62368-1:2014 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 FCC: 47 CFR Part 15, Subpart B	

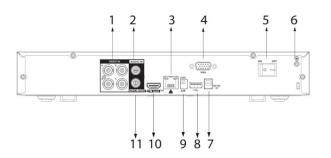
Ordering Information				
Туре	Part Number	Description		
DIGITAL VIDEO RECORDER	DH-XVR5104H-I3	4CH Penta-brid 5M-N/1080P Mini 1U 1HDD WizSense Digital Video Recorder		

Dimensions (mm[inch])





Panels



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