



# DH-XVR4108HS-I/T

## 8CH Penta-brid 1080N/720P Compact 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 XVR4000-I/T Series provides cost-effective, high-performance recorders that are ideal for those with budget constraints seeking quality and functionality. It offers advanced AI functions and features two-way talk supported by all the channels. In addition, this XVR comes with a user-friendly analog system that has a low overall system cost, making it suitable for a wide range of applications.

#### **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.

#### **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.

#### **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 AI-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.

- \* Dolynk cloud version: DMSS 2.0.30 and above, Dolynk Care 2.50.20 and above.
- 8-channel two-way talk over coaxial cable allows for seamless communication between the camera, client and recorder.
- 8-channel SMD Plus for analog channels or 10-channel SMD by camera which allows the device to trigger accurate alarms for humans and vehicles.
- 8-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 10-channel IP camera input and each channel can be up to 6 MP. The incoming bandwidth reaches 32 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.















#### One-click Arming/Disarming

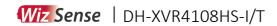
With just one click, you can enable or disable alarm linkages to show messages, send emails, output audio alarms and more, through the mobile app and platform.

#### 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-ABR

Compared with H.265, AI coding-ABR can save 50% on storage costs, and save bit rate for complex scenes, which can prioritize image quality in dynamic scenes.



Technical Specification		Recording Playback	Recording Playback	
System		Record Mode	General; alarm; motion detection	
Main Processor	Industrial-grade processor	Recording Playback	1/4/9	
Operating System	Embedded Linux	Backup Method	USB device and network	
Operating Interface	Web; Local GUI	Playback Mode	Instant playback; general playback; event playba playback; smart playback	
SMD		Alarm		
SMD Plus by Recorder	8 channels: Secondary filtering for human and vehicle, reducing false alarms caused by leaves, rain and lighting condition change	General Alarm	Motion detection; alarm box; HDCVI alarm; camexternal alarm; network alarm; PIR alarm	
SMD by Camera	10 channels	Anomaly Alarm	Error (no disk, disk error, low space, low quota s network disconnection; IP conflict; MAC conflict	
Irregular Black Block Masking		,	loss; video tampering; camera offline	
Irregular Black Block	Black	Intelligent Alarm	SMD Plus	
Masking by Recorder	1 channel	Alarm Linkage	Record; snapshot (panoramic); IPC external alarmoutput; audio; buzzer; log; preset; email	
Audio and Video	9 BNC parts supports HDC///AUD/D//D//C/DS aut-	Ports		
Analog Camera Input	8 BNC ports, supports HDCVI/AHD/TVI/CVBS autodetect	Audio Input	1-channel RCA 8-channel BNC (Coaxial Audio)	
Camera Input	1. CVI: 1080p@25/30 fps; 720p@25/30 fps. 2. TVI: 1080p@25/30 fps; 720p@25/30 fps.	Audio Output	1-channel RCA	
IP Camera Input	3. AHD: 1080p@25/30 fps; 720p@25/30 fps.  Up to 10 channels of IPC access 2 IP channel by default + 8 channels (analog channels are converted to IP channels) Incoming bandwidth: 32 Mbps, recording bandwidth: 32 Mbps and outgoing bandwidth: 32 Mbps	Two-way Talk	Coaxial two-way talk: 8-channel BNC Local and network user two-way talk: Shares the audio input with the first channel	
		Disk Interface	1 SATA port, up to 16 TB. This limit varies depen the environment temperature.	
Encoding Capacity	Main stream: the 1st channel 1080N/720p@(1 fps-25/30 fps), others 1080N/720p@(1 fps-15 fps); 960H/D1/CIF@(1 fps-25/30 fps)	RS-485	1	
		USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)	
	Sub stream: CIF@(1 fps-7 fps)	HDMI	1	
Dual-stream	Yes	VGA	1	
Video Bit Rate	32 kbps-4096 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 HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720	Power Consumption	<7 W (without HDD)	
		Net Weight	0.92 kg (2.03 lb)	
Multi-screen Display	When IP extension mode not enabled: 1/4/8/9 When IP extension mode enabled: 1/4/8/9/16	Gross Weight	1.49 kg (3.28 lb)	
Third-party Camera Access	Panasonic; Sony; Hanwha; Axis; Arecont; ONVIF	Product Dimensions	260.0 mm × 237.8 mm × 47.6 mm (10.24" × 9.36 1.87") (W × D × H)	
Compression Standard		Packaging Dimensions	344.0 mm × 89.0 mm × 287.0 mm (13.54" × 3.50	
Video Compression	Al Coding; Smart H.265+; H.265; Smart H.264+; H.264		11.30") (W × D × H)	
Audio Compression	G.711a; G.711u; PCM	Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)	
Network		Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)	
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.)	Operating Humidity	10%–90% (RH), non-condensing	
		Installation	Desktop CE-LVD: IEC 62368-1:2014	
Mobile Phone Access	iOS; Android	Certifications	CE-EVO. RC 02308-1.2014 CE-EMC: EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 55032:2015+A11:: EN 55035:2017+A11:2020, EN 55024:2010+A1:2 EN 50130-4:2011+A1:2014	
Interoperability	ONVIF 24.12 (Profile T; Profile S; Profile G); CGI; SDK			
Browser	Chrome; IE; Safari; Edge; Firefox			

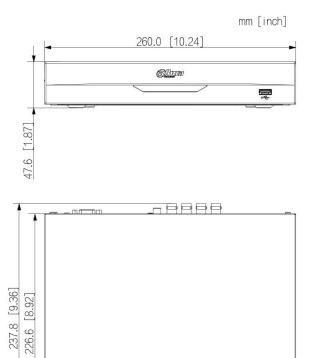
Ordering Information				
Туре	Model	Description		
DIGITAL VIDEO RECORDER	DH-XVR4108HS-I/T	8CH Penta-brid 1080N/ 720P Compact 1U 1HDD WizSense Digital Video Recorder		
	DH-NC650	802.11AC 650M WIRELESS ADAPTER		
	DHI-SSD-V800S512G	SSD		
Accessories (Optional)	DHI-SSD-V800S1TB	SSD		
	DHI-SSD-V800S256G	SSD		
	DH-NC300	802.11AX 300M WIRELESS ADAPTER		

#### Accessories

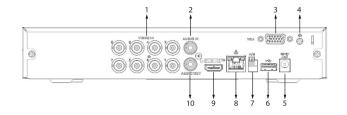
#### Optional:



## Dimensions (mm[inch])



### **Panels**



- 1 VIDEO IN
- 2 AUDIO IN, RCA Connector
- 3 VGA Port
- 4 Ground
- 5 (6/11011
- r Ground
- 5 Power Input7 RS-485 Port
- 6 USB Port8 Network Port
- 9 HDMI Port
- 10 AUDIO OUT, RCA Connector