

# DH-XVR1B08-I/T

8CH Penta-brid 1080N/720P Cooper 1U 1HDD WizSense Digital Video Recorder



**WizSense**

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

The Cooper-I/T Series offers simple and highly cost-effective HDCVI solutions. It provides 24/7 reliable monitoring with high-quality image performance, saving you on labor costs. It also includes a two-way talk function that is supported by all the channels and operates over coaxial cable, along with SMD Plus, offering you excellent value.

## 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.

\* *Dolynk cloud compatible version: DMSS V2.0.1 and above, Dolynk Care V2.5.1 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 which allows the device to trigger accurate alarms for humans and vehicles.
- 8-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 10-channel IP camera input and each channel can be up to 6 MP. The incoming bandwidth reaches 40 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.



### 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.

### 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

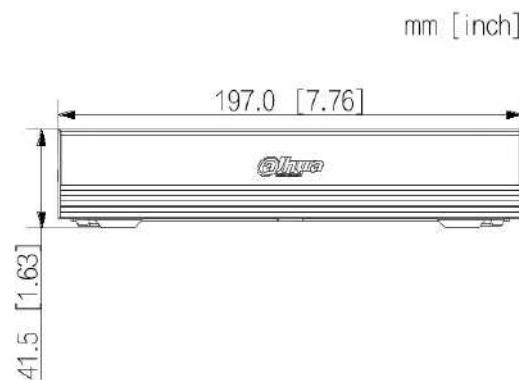
Compared with H.265, AI coding-ABR can save 50% on storage costs, and save bit rate for complex scenes, which can prioritize image quality in dynamic scenes.

Technical Specification				
System		Recording Playback	1/4/9	
Main Processor	Industrial-grade processor	Backup Method	USB device and network	
Operating System	Embedded Linux	Playback Mode	Instant playback; general playback; event playback; tag playback; smart playback	
Operating Interface	Web; Local GUI	Alarm		
SMD		General Alarm	Motion detection; HDCVI alarm; camera external alarm; network alarm; PIR alarm	
SMD Plus by Recorder	8 channels: Secondary filtering for human and vehicle, reducing false alarms caused by leaves, rain and lighting condition change	Anomaly Alarm	Error (no disk, disk error, low space, low quota space; network disconnection; IP conflict; MAC conflict); video loss; video tampering; camera offline	
SMD by Camera	10 channels	Intelligent Alarm	SMD Plus	
Audio and Video		Alarm Linkage	Record; snapshot (panoramic); IPC external alarm output; audio; buzzer; log; preset; email	
Analog Camera Input	8 BNC ports, supports HDCVI/AHD/TVI/CVBS auto-detect	Ports		
Camera Input	1. CVI: 1080p@25/30 fps; 720p@25/30 fps. 2. TVI: 1080p@25/30 fps; 720p@25/30 fps. 3. AHD: 1080p@25/30 fps; 720p@25/30 fps.	Audio Input	1-channel RCA 8-channel BNC (Coaxial Audio)	
IP Camera Input	Up to 10 channels of IPC access 2 IP channels by default + 8 channels (analog channels are converted to IP channels) Incoming bandwidth: 40 Mbps, recording bandwidth: 40 Mbps and outgoing bandwidth: 40 Mbps *After IP extension is enabled, the AI Function (SMD) will be disabled.	Audio Output	1-channel RCA	
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) Sub stream: CIF@(1 fps–7 fps)	Two-way Talk	Coaxial two-way talk: 8-channel BNC Local and network user two-way talk: Shares the same audio input with the first channel	
Dual-stream	Yes	Disk Interface	1 SATA port, up to 6 TB. This limit varies depending on the environment temperature.	
Video Bit Rate	32 kbps–4096 kbps	USB	2 (2 rear USB 2.0 ports)	
Audio Sampling	8 kHz, 16 bit	HDMI	1	
Audio Bit Rate	64 kbps	VGA	1	
Video Output	1 HDMI, 1 VGA HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720	Network Port	1 (10/100 Mbps Ethernet port, RJ-45)	
Multi-screen Display	When IP extension mode not enabled: 1/4/8/9 When IP extension mode enabled: 1/4/8/9/16	General		
Third-party Camera Access	Panasonic; Sony; Hanwha; Axis; Arecont; ONVIF	Power Supply	12 VDC, 1.5 A	
Compression Standard		Power Consumption	<7 W (without HDD)	
Video Compression	AI Coding; Smart H.265+; H.265; Smart H.264+; H.264	Net Weight	0.57 kg (1.26 lb)	
Audio Compression	G.711a; G.711u; PCM	Gross Weight	0.97 kg (2.14 lb)	
Network		Product Dimensions	197.0 mm × 204.3 mm × 41.5 mm (7.76" × 8.04" × 1.63") (W × D × H)	
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.)	Packaging Dimensions	332.0 mm × 64.0 mm × 240.0 mm (13.07" × 2.52" × 9.45") (W × D × H)	
Mobile Phone Access	iOS; Android	Operating Temperature	−10 °C to +45 °C (+14 °F to +113 °F)	
Interoperability	ONVIF 24.06 (Profile T; Profile S; Profile G); CGI; SDK	Storage Temperature	−20 °C to +60 °C (−4 °F to +140 °F)	
Browser	Chrome; IE; Safari; Edge; Firefox	Operating Humidity	10%–90% (RH), non-condensing	
Recording Playback		Installation	Desktop	
Record Mode	General; alarm; motion detection	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	

## Ordering Information

Type	Model	Description
DIGITAL VIDEO RECORDER	DH-XVR1B08-I/T	8CH Penta-brid 1080N/720P Cooper 1U 1HDD WizSense Digital Video Recorder
Accessories (Optional)	DHI-SSD-V800S1TB	SSD
	DH-NC650	802.11AC 650M WIRELESS ADAPTER
	DHI-SSD-V800S512G	SSD
	DH-NC300	802.11AX 300M WIRELESS ADAPTER
	DHI-SSD-V800S256G	SSD

## Dimensions (mm[inch])



## Accessories

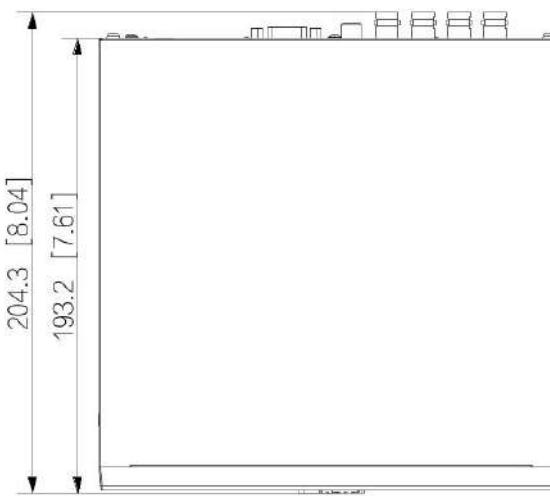
Optional:



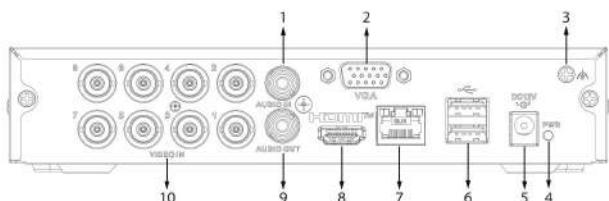
DHI-SSD-V800S256G      DHI-SSD-V800S512G      DHI-SSD-V800S1TB  
SSD                            SSD                            SSD



DH-NC300      DH-NC650  
802.11AX 300M    802.11AC 650M  
WIRELESS ADAPTER    WIRELESS ADAPTER



## Panels



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