



DH-XVR1B04-I/T

4CH Penta-brid 1080N/720P Cooper 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 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.
- 4-channel two-way talk over coaxial cable allows for seamless communication between the camera, client and recorder.
- 4-channel SMD Plus for analog channels which allows the device to trigger accurate alarms for humans and vehicles.
- 4-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 5-channel IP camera input and each channel can be up to 2 MP. The incoming bandwidth reaches 20 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 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.

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.

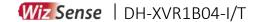
AI Coding-ABR

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.



System		
, Main Processor	Industrial-grade processor	
Operating System	Embedded Linux	
Operating Interface	Web; Local GUI	
SMD		
SMD Plus by Recorder	4 channels: Secondary filtering for human and vehicle, reducing false alarms caused by leaves, rain and lighting condition change	
SMD by Camera	5 channels	
Audio and Video		
Analog Camera Input	4 BNC ports, supports HDCVI/AHD/TVI/CVBS autodetect	
Camera Input	1. CVI: 1080p@25/30 fps; 720p@50/60 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.	
IP Camera Input	Up to 5 channels of IPC access 1 IP channel by default + 4 channels (analog channels are converted to IP channels) Incoming bandwidth: 20 Mbps, recording bandwidth: 20 Mbps and outgoing bandwidth: 20 Mbps *After IP extension is enabled, the AI Function (SMD) will be disabled.	
Encoding Capacity	Main stream: 1080N/720p/960H/D1/CIF@(1 fps-25/30 fps) Sub stream: CIF@(1 fps-15 fps)	
Dual-stream	Yes	
Video Bit Rate	32 kbps–4096 kbps	
Audio Sampling	8 kHz, 16 bit	
Audio Bit Rate	64 kbps	
Video Output	1 HDMI, 1 VGA HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720	
Multi-screen Display	When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6	
Third-party Camera Access	Panasonic; Sony; Hanwha; Axis; Arecont; ONVIF	
Compression Standard		
Video Compression	Al Coding; Smart H.265+; H.265; Smart H.264+; H.264	
Audio Compression	G.711a; G.711u; PCM	
Network		
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; IPv6; RTSP; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; FTP; DDNS; SMMP; Alarm Server; P2P; Auto Registration; IP Search (Supports IP camera, DVR, NVS, etc.)	
Mobile Phone Access	iOS; Android	
Interoperability	ONVIF 24.06 (Profile T; Profile S; Profile G); CGI; SDK	
Browser	Chrome; IE; Safari; Edge; Firefox	
Recording Playback		
Record Mode	General; alarm; motion detection	

Recording Playback	1/4
Backup Method	USB device and network
Playback Mode	Instant playback; general playback; event playback; tag playback; smart playback
Alarm	
General Alarm	Motion detection; HDCVI alarm; camera external alarm; network alarm; PIR alarm
Anomaly Alarm	Error (no disk, disk error, low space, low quota space; network disconnection; IP conflict; MAC conflict); video loss; video tampering; camera offline
Intelligent Alarm	SMD Plus
Alarm Linkage	Record; snapshot (panoramic); IPC external alarm output; audio; buzzer; log; preset; email
Ports	
Audio Input	1-channel RCA 4-channel BNC (Coaxial Audio)
Audio Output	1-channel RCA
Two-way Talk	Coaxial two-way talk: 4-channel BNC Local and network user two-way talk: Shares the same audio input with the first channel
Disk Interface	1 SATA port, up to 6 TB. This limit varies depending on the environment temperature.
USB	2 (2 rear USB 2.0 ports)
HDMI	1
VGA	1
Network Port	1 (10/100 Mbps Ethernet port, RJ-45)
General	
Power Supply	12 VDC, 1.5 A
Power Consumption	<7 W (without HDD)
Net Weight	0.54 kg (1.19 lb)
Gross Weight	0.94 kg (2.07 lb)
Product Dimensions	197.0 mm × 204.3 mm × 41.5 mm (7.76" × 8.04" × 1.63") (W × D × H)
Packaging Dimensions	332.0 mm × 64.0 mm × 240.0 mm (13.07" × 2.52" × 9.45") (W × D × H)
Operating Temperature	-10 °C to +45 °C (+14 °F to +113 °F)
Storage Temperature	−20 °C to +60 °C (−4 °F to +140 °F)
Operating Humidity	10%–90% (RH), non-condensing
Installation	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



Ordering Information Model Description Type 4CH Penta-brid 1080N/ DIGITAL VIDEO 720P Cooper 1U 1HDD DH-XVR1B04-I/T WizSense Digital Video RECORDER DHI-SSD-V800S1TB SSD 802.11AC 650M WIRELESS DH-NC650 ADAPTER Accessories (Optional) DHI-SSD-V800S256G SSD DHI-SSD-V800S512G SSD 802.11AX 300M WIRELESS DH-NC300 ADAPTER

Accessories

Optional:







DHI-SSD-V800S256G SSD

DHI-SSD-V800S512G SSD

DHI-SSD-V800S1TB SSD

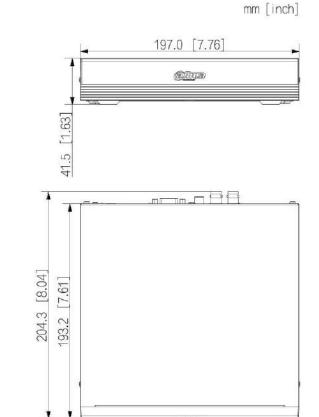




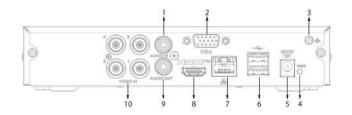
DH-NC300 802.11AX 300M WIRELESS ADAPTER

DH-NC650 802.11AC 650M WIRELESS ADAPTER

Dimensions (mm[inch])



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