

DH-XVR4B04-V2

4 Channel Penta-brid 1080N/720p Cooper 1U 1HDD Digital Video Recorder



- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 5 channels IP camera inputs, each channel up to 2MP; Max 20 Mbps incoming bandwidth

*By default, the web interface of the Device is plugin-free. The plugin-free web interface supports 4-split live view and playback at most and has weaker decoding capability. If you want to use functions such as backup, zero-channel live view, watermark, voice talk, and live audio on the web interface, go to <https://www.dahuasecurity.com/asset/upload/uploads/soft/20210830/webplugin.exe> to download and install the plugin. The added functions will be available at your next login.



Series Overview

Dahua, as a technology leader, is always the first ever developed the shining new technology in the security industry, and today we present Cooper Series XVR. Designed as a full compatibility product, XVR is able to provide end user the simplicity of analog system, namely lower system cost, simple installation and use of existing cable. And with the adoption of Smart H.265+/H.265, the series improves encoding efficiency, saving on bandwidth/storage costs. It is ideal for a wide range of civil applications such as retail store, home protection and so on. Featuring high performance with attractive costs, the Cooper Series offers a great solution for users facing budget constraints who both require quality and performance.

Functions

Smart Codec

With advanced scene-adaptive rate control algorithm, Dahua smart codec technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

HDCVI/AHD/TVI/CVBS Auto-detect

The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

High Definition Camera Input

The XVR supports up to 2MP HDCVI camera and 2MP IP camera input.

Coaxial Audio/Upgrade/Alarm

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

Long Distance Transmission

The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 800 m for 1080p and 1200 m for 720p.

Technical Specification

System

Main Processor	Embedded processor
Operating System	Embedded linux

Video and Audio

Analog Camera Input	4 channels, BNC
HDCVI Camera Input	1080p@ 25/30 fps, 720p@25/30/50/60 fps
AHD Camera Input	1080p@ 25/30 fps, 720p@ 25/30 fps
TVI Camera Input	1080p@25/30 fps, 720p@25/30 fps
CVBS Camera Input	PAL/NTSC
IP Camera Input	4+1 channels, each channel up to 2MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuse audio in/out, RCA

Recording

Compression	H.265+/H.265/H.264+/H.264
Resolution	1080N; 720p; 960H; D1; CIF
Record Rate	Main Stream: All channels 1080N/720P/960H/D1/CIF/(1~25/30fps) Sub stream: CIF (1~15 fps)
Bit Rate	32 kbps–4096 kbps per channel
Record Mode	Manual; Schedule (General, Continuous); MD (Video detection: Motion Detection, Video Loss, Tampering); Alarm; Stop
Record Interval	1 min– 60 min (default: 60 min), Pre-record: 1 s–30 s, Post-record: 10 s–300 s
Audio Compression	G.711A; G.711U; PCM
Audio Sample Rate	8 KHz, 16 bit per channel
Audio Bit Rate	64 kbps per channel

Display

Interface	1 HDMI; 1 VGA
Resolution	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
OSD	Camera title; Time; Video loss; Camera lock; Motion detection; Recording

Network

Interface	1 RJ-45 Port (100 Mbps)
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; UPnP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; Alarm Server; P2P; IP Search (Supports Dahua IP camera, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone; iPad; Android
Interoperability	ONVIF, CGI Conformant

Video Detection and Alarm

Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering
Alarm input	N/A
Relay Output	N/A

Playback and Backup

Playback	1/4
Search Mode	Time/Date; Alarm; MD and Exact Search (accurate to second)
Playback Function	Play; Pause; Stop; Rewind; Fast play; Slow Play; Next File; Previous File; Next Camera; Previous Camera; Full Screen; Repeat; Shuffle; Backup Selection; Digital Zoom
Backup Mode	USB Device/Network

Storage

Internal HDD	1 SATA port, up to 6 TB capacity
eSATA	N/A

Auxiliary Interface

USB	2 USB ports (USB 2.0)
RS485	N/A
RS232	N/A

Electrical

Power Supply	DC 12 V/1.5 A
Power Consumption (Without HDD)	< 7 W

Construction

Dimensions	Cooper 1U, 198 mm × 202.9 mm × 41.5 mm (7.81" × 7.99" × 1.63")
Net Weight (without HDD)	0.57 kg (1.25 lb)
Gross Weight	1.01 kg (2.23 lb)
Installation	Desktop installation

Environmental

Operating Conditions	–10 °C to +45 °C (+14 °F to +113 °F), 0%–90% (RH)
Storage Conditions	–20 °C to +70 °C (–4 °F to +158 °F), 0%–90% (RH)

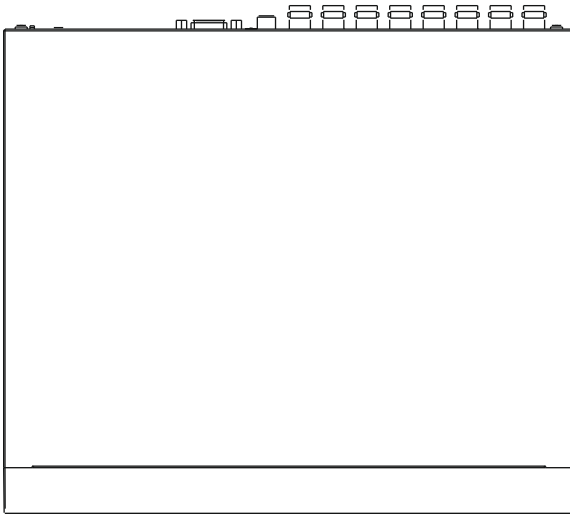
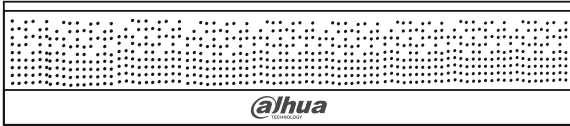
Third-party Support

Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
---------------------	---

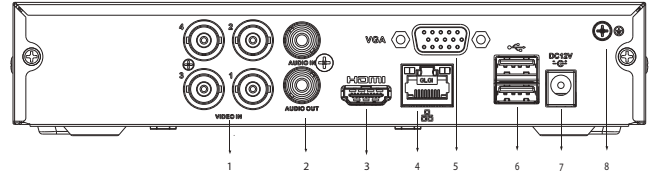
Ordering Information

Type	Model	Description
4 Channel XVR	DH-XVR4B04-V2	Cooper 1U Digital Video Recorder

Dimensions (mm[inch])



Panels



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