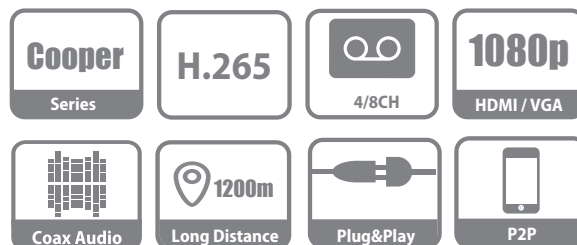


# DH-XVR1B04/08

4/8 Channel Penta-brid 1080N/720P Cooper 1U Digital Video Recorder



- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 5/10 channels IP camera inputs, each channel up to 2MP/6MP; Max 20/40Mbps Incoming Bandwidth
- Long transmission distance over coax cable
- Supports 1 SATA HDD, up to 6TB



## System 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 H.265+

Smart Codec, H.265+ can reduce up to 90% bit rate and storage requirements compared with H.264 without having to invest in new cameras.

### HDCVI/AHD/TVI/CVBS/IP Auto-detect

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

### IPC Input Supported

The XVR1B04 supports up to 2MP IPC input, and XVR1B08 supports up to 6MP IPC 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. 800m for 1080P and 1200m for 720P.

### Smart Search

This function helps you get more motion detect video during a short time through drawing a region when playback. It is very useful when an emergency occurs.

### Perfect Image Quality

High performance chip provides perfect image quality with better color reproduction.

### P2P

Monitor at anytime and anywhere. Easily and conveniently manage the device.

**Technical Specification****System**

|                  |                    |
|------------------|--------------------|
| Main Processor   | Embedded Processor |
| Operating System | Embedded LINUX     |

**Video and Audio**

|                     |                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------|
| Analog Camera Input | 4/8 Channel, BNC                                                                        |
| HDCVI Camera        | 4CH: 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps<br>8CH: 1080P@25/30fps, 720P@25/30fps |
| AHD Camera          | 1080P@25/30, 720P@25/30fps                                                              |
| TVI Camera          | 1080P@25/30, 720P@25/30fps                                                              |
| CVBS Camera         | PAL/NTSC                                                                                |
| IP Camera Input     | 4CH: 4+1, each channel up to 2MP<br>8CH: 8+2, each channel up to 6MP                    |
| Audio In/Out        | 1/1, RCA                                                                                |
| Two-way Talk        | Reuse audio in/out, RCA                                                                 |

**Recording**

|                   |                                                                                                                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression | H.265+/H.265/H.264+/H.264                                                                                                                                                                                                                                                           |
| Resolution        | 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF                                                                                                                                                                                                                                         |
| Record Rate       | Main Stream:<br>4CH: All channels 1080N/720P/960H/D1/HD1/BCIF/CIF/<br>QCIF(1~25/30fps)<br>8CH: the 1st channel 1080N/720P(1~25/30fps), others<br>1080N/720P(1~15fps); 960H/D1/HD1/BCIF/CIF/<br>QCIF(1~25/30fps)<br>Sub stream:<br>4CH: CIF/QCIF (1~15fps)<br>8CH: CIF/QCIF (1~7fps) |
| Video Bit Rate    | 32Kbps ~ 4096Kbps Per Channel                                                                                                                                                                                                                                                       |
| Record Mode       | Manual, Schedule (General, Continuous), MD (Video detection:<br>Motion Detection, Video Loss, Tampering), Alarm, Stop                                                                                                                                                               |
| Record Interval   | 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-<br>record: 10 ~ 300 sec                                                                                                                                                                                                 |
| Audio Compression | AAC(only for the 1st channel), G.711A, G.711U, PCM                                                                                                                                                                                                                                  |
| Audio Sample Rate | 8KHz, 16 bit Per Channel                                                                                                                                                                                                                                                            |
| Audio Bit Rate    | 64Kbps Per Channel                                                                                                                                                                                                                                                                  |

**Display**

|                      |                                                                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Interface            | 1 HDMI, 1 VGA                                                                                                                       |
| Resolution           | 1920×1080, 1280×1024, 1280×720                                                                                                      |
| Multi-screen Display | When IP extension mode not enabled:<br>4CH: 1/4<br>8CH: 1/4/8/9<br>When IP extension mode enabled:<br>4CH: 1/4/6<br>8CH: 1/4/8/9/16 |
| OSD                  | Camera title, Time, Video loss, Camera lock, Motion detection,<br>Recording                                                         |

**Network**

|                  |                                                                                                                                                                            |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface        | 1 RJ-45 Port (100M)                                                                                                                                                        |
| Network Function | HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP,<br>DHCP, DNS, IP Filter, DDNS, FTP, Alarm Server, P2P, IP Search<br>(Supports Dahua IP camera, DVR, NVS, etc.) |
| Max. User Access | 128 users                                                                                                                                                                  |
| Smart Phone      | iPhone, iPad, Android                                                                                                                                                      |
| Interoperability | ONVIF 16.12, CGI Conformant                                                                                                                                                |

**Video Detection and Alarm**

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

**Playback and Backup**

|                   |                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Playback          | 4CH: 1/4<br>8CH: 1/4/9                                                                                                                                                      |
| Search Mode       | Time /Date, Alarm, MD and Exact Search (accurate to<br>second)                                                                                                              |
| Playback Function | Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File,<br>Previous File, Next Camera, Previous Camera, Full Screen,<br>Repeat, Shuffle, Backup Selection, Digital Zoom |
| Backup Mode       | USB Device/Network                                                                                                                                                          |

**Storage**

|              |                                 |
|--------------|---------------------------------|
| Internal HDD | 1 SATA Port, up to 6TB capacity |
| eSATA        | N/A                             |

**Auxiliary Interface**

|       |           |
|-------|-----------|
| USB   | 2 USB 2.0 |
| RS232 | N/A       |
| RS485 | N/A       |

**Electrical**

|                                    |            |
|------------------------------------|------------|
| Power Supply                       | DC12V/1.5A |
| Power Consumption<br>(Without HDD) | <10W       |

**Construction**

|                             |                                              |
|-----------------------------|----------------------------------------------|
| Dimensions                  | Cooper 1U, 197mm×192mm×41mm (7.8"×7.6"×1.6") |
| Net Weight<br>(without HDD) | 0.54kg (1.19lb)<br>0.56kg (1.23lb)           |
| Gross Weight                | 0.93kg (2.05lb)                              |
| Installation                | Desktop installation                         |

**Environmental**

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

**Third-party Support**

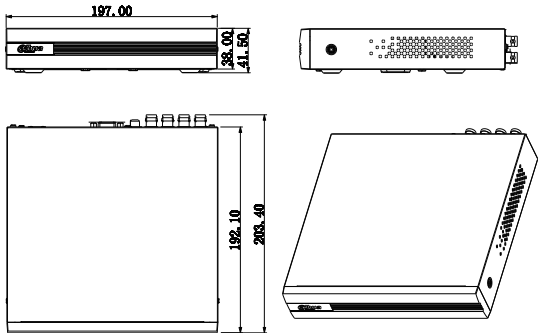
|                     |                                                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------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

**Certifications**

|                |                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------|
| Certifications | FCC: Part 15 Subpart B                                                                                    |
|                | CE: CE-LVD: EN 60950-1/IEC 60950-1<br>CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130,<br>EN 55024 |
|                | UL: UL 60950-1                                                                                            |

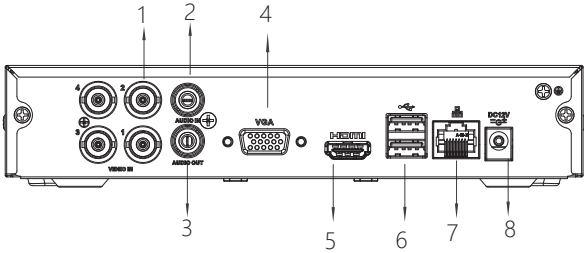
| Ordering Information |             |                                                                  |
|----------------------|-------------|------------------------------------------------------------------|
| Type                 | Part Number | Description                                                      |
| 4/8 Channel XVR      | DH-XVR1B04  | 4 Channel Penta-brid 1080N/720P Cooper 1U Digital Video Recorder |
|                      | DH-XVR1B08  | 8 Channel Penta-brid 1080N/720P Cooper 1U Digital Video Recorder |

Dimensions(mm)

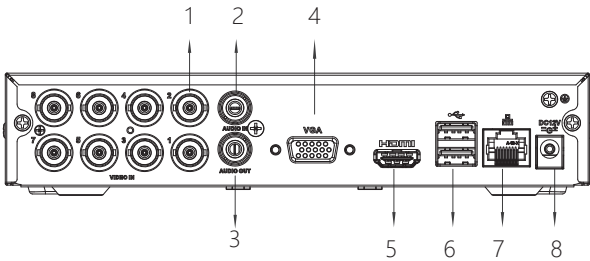


Rear Panel

DH-XVR1B04



DH-XVR1B08



- |   |                          |   |                   |
|---|--------------------------|---|-------------------|
| 1 | VIDEO IN                 | 5 | HDMI Interface    |
| 2 | AUDIO IN, RCA Connector  | 6 | USB Interface     |
| 3 | AUDIO OUT, RCA Connector | 7 | Network Interface |
| 4 | VGA Interface            | 8 | DC12V Power Input |