

# DH-XVR1B04/08

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



- $\cdot$  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 mange the device.



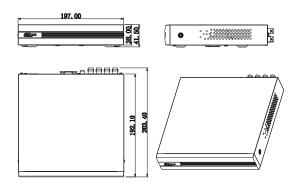
# Cooper Series | DH-XVR1B04/08

Technical Specification		Video Detection and Alarm	
System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Main Processor	Embedded Processor	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss,
Operating System	Embedded LINUX		Tampering and Diagnosis
Video and Audio		Alarm input	N/A
Analog Camera Input	4/8 Channel, BNC	Relay Output	N/A
	4CH: 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback and Back	qL
HDCVI Camera	8CH: 1080P@25/30fps, 720P@25/30fps	Playback	4CH: 1/4 8CH: 1/4/9
AHD Camera	1080P@25/30, 720P@25/30fps	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to
TVI Camera	1080P@25/30, 720P@25/30fps	Scaren Mode	second)
CVBS Camera IP Camera Input	PAL/NTSC 4CH: 4+1, each channel up to 2MP 8CH: 8+2, each channel up to 6MP	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
Audio In/Out	1/1, RCA	Backup Mode	USB Device/Network
, Two-way Talk	Reuse audio in/out, RCA		
Recording		Storage	
Video Compression	H.265+/H.265/H.264+/H.264	Internal HDD	1 SATA Port, up to 6TB capacity
Resolution	1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF	eSATA	N/A
Resolution	Main Stream:	Auxiliary Interface	
	4CH: All channels 1080N/720P/960H/D1/HD1/BCIF/CIF/	USB	2 USB 2.0
	QCIF(1~25/30fps) 8CH: the 1st channel 1080N/720P(1~25/30fps), others	RS232	N/A
Record Rate	1080N/720P(1~15fps); 960H/D1/HD1/BCIF/CIF/ QCIF(1~25/30fps)	RS485	N/A
	Sub stream: 4CH: CIF/QCIF (1~15fps)	Electrical	
	8CH: CIF/QCIF (1~7fps)	Power Supply	DC12V/1.5A
Video Bit Rate	32Kbps ~ 4096Kbps Per Channel	Power Consumption	<10W
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop	(Without HDD)	
Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-	Construction	
Audio Compression	record: $10 \sim 300$ sec AAC(only for the 1st channel), G.711A, G.711U, PCM	Dimensions	Cooper 1U, 197mm×192mm×41mm (7.8"×7.6"×1.6")
Audio Sample Rate	8KHz, 16 bit Per Channel	Net Weight (without HDD)	0.54kg (1.19lb) 0.56kg (1.23lb)
Audio Bit Rate	64Kbps Per Channel	Gross Weight	0.93kg (2.05lb)
Display		Installation	Desktop installation
Interface	1 HDMI ,1 VGA	Environmental	
Resolution	1920×1080, 1280×1024, 1280×720	Operating Conditions	-10°C ~ +45°C (+14°F ~ +113°F), 10~ 90% RH
	When IP extension mode not enabled:	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH
Multi-screen Display	4CH: 1/4 8CH: 1/4/8/9 When IP extension mode enabled: 4CH: 1/4/6 8CH: 1/4/8/9/16	Third-party Suppor	
		Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung,
OSD	Camera title, Time, Video loss, Camera lock, Motion detection,		Sanyo, Sony, Videotec, Vivotek, and more
Recording		Certifications	
Network			FCC: Part 15 Subpart B
Interface Network Function	1 RJ-45 Port (100M) HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter , DDNS, FTP, Alarm Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.)	Certifications	CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024
Max. User Access	128 users		UL: UL 60950-1
Smart Phone	iPhone, iPad, Android		
Interoperability	ONVIF 16.12, CGI Conformant		
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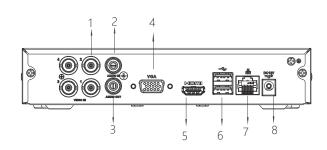
Ordering Information					
Туре	Part Number	Description			
4/8 Channel XVR	DH-XVR1B04	4 Channel Penta-brid 1080N/720P Cooper 1U Digital Video Recorder			
	DH-XVR1B08	8 Channel Penta-brid 1080N/720P Cooper 1U Digital Video Recorder			

# Dimensions(mm)

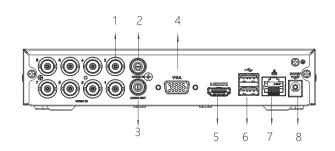


# **Rear Panel**

# 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

