DH-XVR1B04

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

H.265 + / H.265 Dual Stream Video Compression

· Supports HDCVI / AHD / TVI / CVBS / IP Video Inputs

· Max 5 Channels of Inputs for IP Camera, Each Channel Up to 2MP; Maximum Input Bandwidth of 20 Mbps

Long Distance Transmission Over Coaxial Cable

Supports 1 SATA HDD, up to 6TB

Cooper	H.265		1080p
Series		4 CH	HDMI / VGA
Coax Audio	1200m	Plug & Play	P2P
	Long Distance		

System Summary

Dahua, as a technology leader, is always the first technology **IPC input compatible**

first developed in the security industry, and today the XVR1B04 supports up to 2MP IPC input. Introducing Cooper Series XVR. Designed as a product of

full compatibility, XVR can provide the end user with the simplicity **Coaxial audio / update / alarm**

of the analog system, that is, a lower system cost, an installation Integrated design can reduce wiring problems, making it simple and the use of existing cable. And with the adoption of Smart H.265 + / it makes it much more economical and convenient for installation.

H.265 series improves encoding efficiency, saving on bandwidth / storage costs. It is ideal for a wide range of **Long distance transmission**

civil applications, such as retail stores, home protection, etc.

With high performance at attractive costs, the Cooper Series offers a great solution for users facing budget constraints who require quality and performance.

HDCVI system supports long distance transmission via coaxial cable and UTP, max. 800m for 1080P and 1200m for 720P.

Smart search

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

Perfect picture quality

The high-performance chip provides perfect image quality with better color reproduction.

Features

Smart H.265 +

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

P2P

Monitor anytime, anywhere. Easily and conveniently operate the device.

HDCVI / AHD / TVI / CVBS / IP Automatic detection

The XVR can automatically recognize the signal from the front camera without any adjustments.

It makes the operation more friendly and convenient.

Onvif

Technical specifications

System

Main Processor	Embedded Processor
OS	LINUX Embedded

Video and Audio

Analog Camera Input 4 Channels, BNC

HDCVI camera	4CH: 1080P @ 25 / 30fps, 720P @ 50 / 60fps, 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 1/1,
Audio In / Out	RCA
Bi-directional Audio	Reuse Audio input / output, RCA

Recording

Video Compression	H.265 + / H.265 / H.264 + / H.264
Resolution	1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
Taa` of Recording	Mainstream: 4 channels: all channels 1080N / 720P / 960H / D1 / HD1 / BCIF / CIF / QCIF (1 ~ 25 / 30fps) Sub current: 4CH: CIF / QCIF (1 ~ 15fps)

Video Bit Rate 32Kbps ~ 4096Kbps Per Channel

Record mode	Manual, Schedule (General, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Audio compression	AAC (only for 1st channel), G.711A, G.711U, PCM

Audio sampling rate 8KHz, 16 bit Per Channel

Audio bit rate 64Kbps Per Channel

Monitor

Interface	1 HDMI, 1 VGA
Resolution	1920 × 1080, 1280 × 1024, 1280 × 720
Multi-screen display	When IP extension mode is not enabled: 4CH: 1/4 When IP extension mode is enabled: 4CH: 1/4 /
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Net

Interface	1 RJ-45 port (100M)
Network function	HTTP, HTTPS, TCP / IP, IPv4 / IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, DDNS, FTP, Alarm Server, P2P, IP Search (compatible with Dahua IP camera, DVR , NVS, etc.)
Max. Smart Phone user	128 users
access	iPhone, iPad, Android
Interoperability	ONVIF 16.12, CGI Conformant

Video Detection and Alarm

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

Backup and Playback

Reproduction	4CH: 1/4
Search Mode	Time / Date, Alarm, MD and Exact Search (accurate to the second)
Playback function Fast, Slow Play, Full Screen, Repeat, Random, Backup Selection,	Play, Pause, Stop, Rewind, Play
Backup Mode	USB device / Network

Storage

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

Auxiliary interface

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

Electric

Power supply	DC12V / 1.5A
Energy consumption (without HDD)	<10W

Building

Dimensions	Cooper 1U, 197mm × 192mm × 41mm (7.8 "× 7.6" × 1.6 ")
Net weight (without HDD)	0.54kg (1.19lb)
Gross weight	0.93kg (2.05lb)
Installation	Desktop Installation

Environmental

Operating conditions	- 10 ° C ~ + 45 ° C (+ 14 ° F ~ + 113 ° F), 10 ~ 90% RH

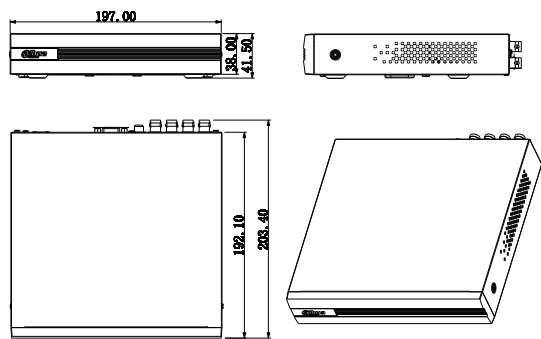Storage conditions -20 ° C ~ + 70 ° C (-4 ° F ~ + 158 ° F), 0 ~ 90% RH

Third Party Support

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

Certifications

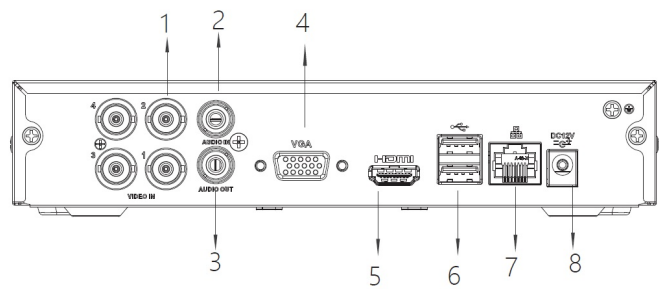|	
Certifications	FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1 / IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024 UL: UL 60950-1

Dimensions (mm)

Rear Panel

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1	VIDEO INPUT	5	HDMI INTERFACE
2	AUDIO IN, AUDIO OUT RCA CONNECTOR,	6	USB INTERFACE
3	VGA INTERFACE RCA CONNECTOR	7	NETWORK INTERFACE
4		8	POWER INPUT DC12V