

# DH-XVR1B16

## 16 Channel Penta-brid 1080N/720P Compact 1U Digital Video Recorder



- · H.265+/H.265 dual-stream video compression
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- · Max 18 channels IP camera inputs, each channel up to 6MP; Max 72Mbps 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 XVR1B16 suppports 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.



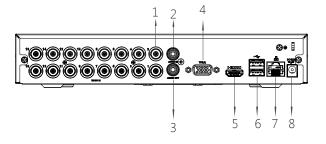
Technical Specification		Video Detection and Alarm	
System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Main Processor	Embedded Processor  Embedded LINUX	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Operating System	Ellipedded Elwox	Alarm input	N/A
Video and Audio		Relay Output	N/A
Analog Camera Input	16 Channel, BNC	Playback and Back	qu
HDCVI Camera	1080P@25/30fps, 720P@25/30fps	Playback	1/4/9/16
AHD Camera	1080P@25/30, 720P@25/30fps	raybuck	
TVI Camera	1080P@25/30, 720P@25/30fps	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
CVBS Camera	PAL/NTSC		Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom  USB Device/Network
IP Camera Input	16+2, each channel up to 6MP	Playback Function	
Audio In/Out	1/1, RCA	Backup Mode	
Two-way Talk	Reuse audio in/out, RCA	·	OSB DEVICE/NEEWORK
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
	Main Stream: the 1st channel 1080N/720P(1~25/30fps), others 1080N/720P(1~15fps); 960H/D1/HD1/BCIF/CIF/ QCIF(1~25/30fps) Sub stream: CIF/QCIF (1~7fps)	Auxiliary Interface	
		USB	2 USB 2.0
Record Rate		RS232	N/A
		RS485	N/A
Video Bit Rate	32Kbps ~ 4096Kbps Per Channel	Electrical	
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop	Power Supply	DC12V/2A
Record Interval	$1^{\sim}60$ min (default: 60 min), Pre-record: $1^{\sim}30$ sec, Post-record: $10^{\sim}300$ sec	Power Consumption (Without HDD)	<10W
Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM	Construction	
Audio Sample Rate	8KHz, 16 bit Per Channel	Dimensions	Compact 1U, 260×236×48mm(10.2"×9.3"×1.9")
Audio Bit Rate	64Kbps Per Channel	Net Weight	0.80kg ( 1.76lb) (without HDD)
Display		(without HDD)	
Interface	1 HDMI ,1 VGA	Gross Weight	1.5kg (3.3lb)
Resolution	1920×1080, 1280×1024, 1280×720	Installation	Desktop installation
Multi-screen Display	When IP extension mode not enabled: 1/4/8/9/16 When IP extension mode enabled: 1/4/8/9/16/25	Environmental	
000	Camera title, Time, Video loss, Camera lock, Motion detection,	Operating Conditions	-10°C ~ +45°C (+14°F ~ +113°F), 10~ 90% RH
OSD	Recording	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH
Network		Third-party Support	
Interface	1 RJ-45 Port (100M)	Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, Cl Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung,
Network Function	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	Sanyo, Sony, Videotec, Vivotek, and more
Max. User Access	128 users		FCC: Part 15 Subpart B
Smart Phone	iPhone, iPad, Android		
Interoperability	ONVIF 16.12, CGI Conformant	Certifications	CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50: EN 55024

### Cooper Series | DH-XVR1B16

Ordering Information					
Туре	Part Number	Description			
16 Channel XVR	DH-XVR1B16	16 Channel Penta-brid 1080N/720P Compact 1U Digital Video Recorder			

# **Rear Panel**

#### DH-XVR1B16



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

### Dimensions(mm)

