

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 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

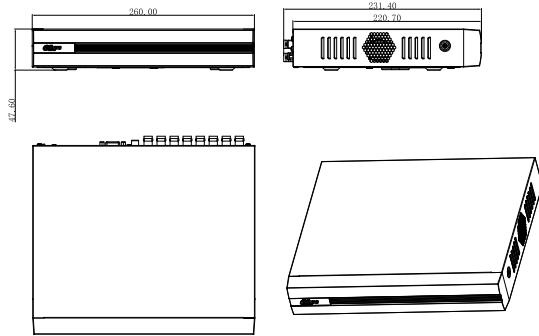
Monitor at anytime and anywhere. Easily and conveniently manage the device.

Technical Specification		Video Detection and Alarm	
System			
Main Processor	Embedded Processor	Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Operating System	Embedded LINUX	Video Detection	Motion Detection, MD Zones: 396 (22 x 18), Video Loss, Tampering and Diagnosis
Video and Audio		Alarm input	N/A
Analog Camera Input	16 Channel, BNC	Relay Output	N/A
HDCVI Camera	1080P@25/30fps, 720P@25/30fps	Playback and Backup	
AHD Camera	1080P@25/30, 720P@25/30fps	Playback	1/4/9/16
TVI Camera	1080P@25/30, 720P@25/30fps	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
CVBS Camera	PAL/NTSC	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
IP Camera Input	16+2, each channel up to 6MP	Backup Mode	USB Device/Network
Audio In/Out	1/1, RCA	Storage	
Two-way Talk	Reuse audio in/out, RCA	Internal HDD	1 SATA Port, up to 6TB capacity
Recording		eSATA	N/A
Video Compression	H.265+/H.265/H.264+/H.264	Auxiliary Interface	
Resolution	1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF	USB	2 USB 2.0
Record Rate	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)	RS232	N/A
Video Bit Rate	32Kbps ~ 4096Kbps Per Channel	RS485	N/A
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop	Electrical	
Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Power Supply	DC12V/2A
Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM	Power Consumption (Without HDD)	<10W
Audio Sample Rate	8KHz, 16 bit Per Channel	Construction	
Audio Bit Rate	64Kbps Per Channel	Dimensions	Compact 1U, 260x236x48mm(10.2" x 9.3" x 1.9")
Display		Net Weight (without HDD)	0.80kg (1.76lb) (without HDD)
Interface	1 HDMI ,1 VGA	Gross Weight	1.5kg (3.3lb)
Resolution	1920x1080, 1280x1024, 1280x720	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	
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	Operating Conditions	-10°C ~ +45°C (+14°F ~ +113°F), 10~90% RH
Network		Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~90% RH
Interface	1 RJ-45 Port (100M)	Third-party Support	
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.)	Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
Max. User Access	128 users	Certifications	
Smart Phone	iPhone, iPad, Android	Certifications	FCC: Part 15 Subpart B
Interoperability	ONVIF 16.12, CGI Conformant		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

Ordering Information

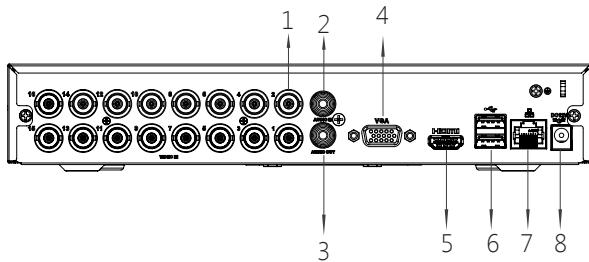
Type	Part Number	Description
16 Channel XVR	DH-XVR1B16	16 Channel Penta-brid 1080N/720P Compact 1U Digital Video Recorder

Dimensions(mm)



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