

# DHI- XVR5204/08/16AN-S2

4/8/16 Channel Penta-brid 1080P Digital Video Recorder



## 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 XVR-S2 Series. As the perfect solution to upgrade existing video surveillance systems, XVR supports penta-brid access technology such as HDCVI, AHD, TVI, CVBS and IP to effortlessly integrate with popular industry formats, offering an affordable solution loaded with flexible options. It supports up to 4/8/16 channels of HDCVI/AHD/TVI/CVBS inputs, and 2/4/8 channels IP camera additionally, 16 channels local live-view channels, and 16 playback channels.

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. It is ideal for a wide range of applications such as public safety, retail store, transportation, home protection and education.

## Functions

### Smart H.264+

Smart Codec, H.264+ can reduce up to 70% bit rate and storage requirements without having to invest in new cameras.

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

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

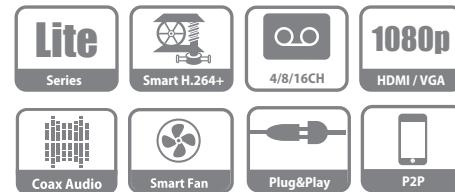
### 5MP Resolution

The XVR supports up to 5MP HD resolution (2560 x 1920) IPC input for recording, live viewing.

### Coaxial Audio/Upgrade/Alarm

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

- Embedded processor
- H.264+/H.264 dual-stream video compression
- Support HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 6/12/24 channels IP camera inputs, each channel up to 5MP; Max 24/48/96Mbps Incoming Bandwidth
- Smart Search and Intelligent Video System



### Smart Fan

The smart fan can automatically turn on or turn off according to the CPU temperature. This function can effectively reduce the fan noise to provide a better user experience while extending the life of the fan at the same time.

### Spot Output (XVR5216AN-S2)

It is made for a secondary monitor. This allows the operator to view one special monitor that assigned to selected cameras or video inputs from higher security areas.

### Intelligent Video System (IVS)

With built-in intelligent video analytics, the XVR has the ability to detect and analyze moving objects for improved video surveillance. The XVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed.

### Face Detection

It is a type technology being used in a variety of applications that search or identify individuals which show front cameras.

### 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.

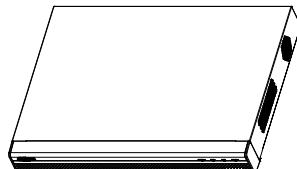
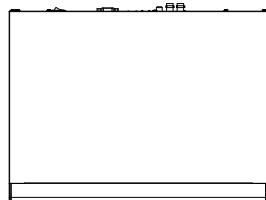
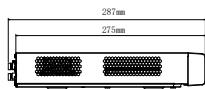
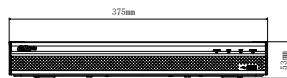


Technical Specification		Video Detection and Alarm	
System		Video Detection and Alarm	
Main Processor	Embedded Processor	Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Operating System	Embedded LINUX	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Video and Audio		Alarm input	N/A
Analog Camera Input	4/8/16 Channel, BNC	Relay Output	N/A
HDCVI Camera	4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback and Backup	
AHD Camera	4MP, 1080P@25/30, 720P@25/30fps	Playback	4CH: 1/4 8CH: 1/4/9 16CH: 1/4/9/16
TVI Camera	4MP, 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	4+2/8+4/16+8 Channel, each channel up to 5MP	Backup Mode	USB Device/Network
Audio In/Out	1/1, RCA	Storage	
Two-way Talk	Reuse audio in/out, RCA	Internal HDD	2 SATA Port, up to 8TB capacity
Recording		eSATA	N/A
Compression	H.264+/H.264	Auxiliary Interface	
Resolution	4M-N, 1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF	USB	4/8CH: 2 USB 2.0 16CH: 1 USB 2.0, 1 USB 3.0
Record Rate	Main stream: 4M-N/1080P(1~15fps); 1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF(1~25/30fps) Sub stream: D1/CIF/QCIF(1~15fps)	RS232	N/A
Bit Rate	1Kbps ~ 6144Kbps Per Channel	RS485	1 Port, for PTZ Control
Record Mode	Manual, Schedule (Regular, 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/4A
Display		Power Consumption	<15W (Without HDD)
Interface	1 HDMI, 1 VGA	Construction	
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768	Dimensions	1U, 375mm×287mm×53mm (14.8" x 11.3" x 2.1")
Multi-screen Display	When IP extension mode not enabled: 4CH: 1/4 8CH: 1/4/8/9 16CH: 1/4/8/9/16 When IP extension mode enabled: 4CH: 1/4/6 8CH: 1/4/8/9/16 16CH: 1/4/8/9/16/25	Net Weight	2.35kg (5.2 lb) (without HDD)
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	Gross Weight	3.2kg (7.05lb)
Network		Installation	Desktop installation
Interface	4/8CH: 1 RJ-45 Port (100M) 16CH: 1 RJ-45 Port (1000M)	Environmental	
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.)	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH
Max. User Access	128 users	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH
Smart Phone	iPhone, iPad, Android	Third-party Support	
Interoperability	ONVIF 2.42, CGI Conformant	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	
		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

### Ordering Information

Type	Part Number	Description
4/8/16 Channel XVR	DHI-XVR5204AN-S2	4 Channel Penta-brid 1080P 1U Digital Video Recorder
	DHI-XVR5208AN-S2	8 Channel Penta-brid 1080P 1U Digital Video Recorder
	DHI-XVR5216AN-S2	16 Channel Penta-brid 1080P 1U Digital Video Recorder

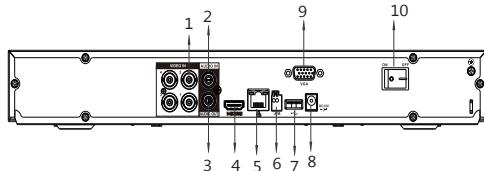
### Dimensions (mm)



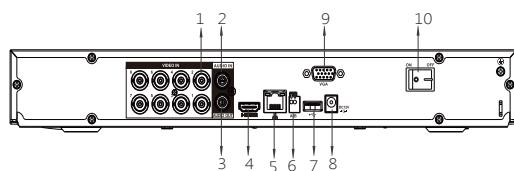
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### Rear Panel

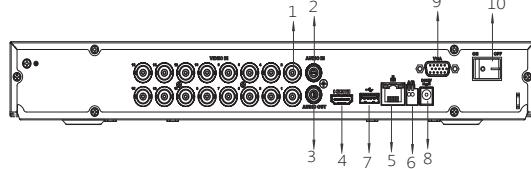
DHI-XVR5204AN-S2



DHI-XVR5208AN-S2



DHI-XVR5216AN-S2



1	VIDEO IN	6	RS485 Interface
2	AUDIO IN, RCA Connector	7	USB Interface
3	AUDIO OUT, RCA Connector	8	DC 12V Power Input
4	HDMI Interface	9	VGA Interface
5	Network Interface	10	Power Switch