

DHI-XVR5104/08/16HE-S2

4/8/16 Channel Penta-brid 1080P Mini 1U 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/IP 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 \times 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(XVR5116HE-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.

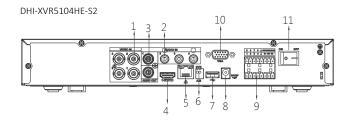
Image Section Image Image Section Image Image Image Section Image Imag	Technical Specification		Video Detection and Alarm	
Video Defection	System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzze and Screen Tips
Department system			Video Detection	
Video and Audio	Operating System	Embedded LINUX	Alarm input	
HOCV Camera	Video and Audio			
HDCVI Camera	Analog Camera Input	4/8/16 Channel, BNC	Plavback and Backu	qu
### AID Camera	HDCVI Camera	4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	,	
CVBS Camera PAL/NTSC File Patent Pal/NTSC P	AHD Camera	4MP, 1080P@25/30, 720P@25/30fps	Playback	
PCamera Input	TVI Camera	1080P@25/30, 720P@25/30fps	Search Mode	Time /Date Alarm MD and Evact Search (accurate to second
Playback Function Previous File, Next Camera, Previous Camera, Previous Camera, Previous Camera, Previous Camera, Previous Camera, Published Cam	CVBS Camera	PAL/NTSC	Scarcii Mode	Time / Bate, / Marris, Mrb and Exact Scarcin (accordance to Second
Audio In/Out Aff/16 Channel input, 1 Channel output, RCA Backup Mode USB Device/Network	IP Camera Input	4+2/8+4/16+8 Channel, each channel up to 5MP	Playback Function	
Recording	Audio In/Out	4/8/16 Channel input,1 Channel output, RCA	r layback rainetion	
Compression	Two-way Talk	Reuse audio in(channel 1)/out, RCA	Backup Mode	USB Device/Network
Resolution	Recording		Storage	
Record Rate Main stream: 4M-V, 1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, CIF eSATA N/A	Compression	H.264+/H.264		1 SATA Port, up to 8TB capacity
Auxiliary Interface Substrame DI/HDI/EIG/EIG/EIG-15(ps) Substrame DI/CIF/CIF(1-15(ps)	Resolution	4M-N, 1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF	eSATA	
Bit Rate 1kbps ~ 6144kbps Per Channel 2058 16CH:1 USB 2.0, 1 USB 3.0	Record Rate	D1/HD1/BCIF/CIF/QCIF (1~25/30fps)	Auxiliary Interface	
Record Mode 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 Power Supply DC12V/2A Power Consumption C10W (Without HDD) Power Supply Discover Supply Doc12V/2A Power Consumption C10W (Without HDD) Construction Power Consumption C10W (Without HDD) Construction When IP extension mode not enabled: ACH: 1/4 /8 /9 /8 /4 /4 /8 /9 /8 /4 /4 /4 /8 /9 /8 /4 /4 /4 /6 /8 /4 /4 /4 /6 /4 /4 /4 /6 /4 /4 /4 /4 /4 /4 /4 /4 /4 /4 /4 /4 /4	Bit Rate	1Kbps ~ 6144Kbps Per Channel	USB	
Record Interval 1 **60 min (default: 60 min), Pre-record: 1 **30 sec, Post-record: 10 **300 sec Display Interface 1 HDMI, 1 VGA Resolution 1920×1080, 1280×1024, 1280×720, 1024×768 When IP extension mode not enabled: 4CH: 1/4 4CH: 1/4 4CH: 1/4/6 8CH: 1/4/8/9/16 1ECH: 1/4/8/9/16 1Environmental Operating Conditions 1:0°C **+55°C (14*F ** +131*F), 0° 90% RH Network Network Interface 4/8CH: 1.RI-45 Port (100M) Retwork Function 1/4/8 Port (100M) Max. User Access 128 users Smart Phone iPhone, iPad, Android Interoperability ONVIF 2.42, CGI Conformant Power Consumption	Decord Made	The state of the s	RS232	N/A
Display Interface 1 HDMI, 1 VGA Resolution 1920x1080, 1280x1024, 1280x720, 1024x768 When IP extension mode not enabled: 4CH: 1/4 4CH: 1/4 8CH: 1/4/8/9/16 4CH: 1/4/8/9/16 8CH: 1/4/8/9/16 5Construction Multi-screen Display 16CH: 1/4/8/9/16 8CH: 1/4/8/9/16 8CH: 1/4/8/9/16 OSD 2 Camera title, Time, Video loss, Camera lock, Motion detection, Recording 16CH: 1, 18-45 Port (1000M) Network 16CH: 1, 18-45 Port (1000M) 16C	Necord Mode		RS485	1 Port, for PTZ Control
Interface 1 HDMI,1 VGA Resolution 1920×1080, 1280×1024, 1280×720, 1024×768 When IP extension mode not enabled: 4CH: 1/4 8CH: 1/4/8/9/16 16CH: 1/4/8/9/16 4CH: 1/4/8/9/16 16CH: 1/4/8/9/16 16CH: 1/4/8/9/16 2Cmstruction Multi-screen Display 16CH: 1/4/8/9/16 16CH: 1/4/8/9/16 16CH: 1/4/8/9/16 2Cmera title, Time, Video loss, Camera lock, Motion detection, Recording 16CH: 1/4/8/9/16 2Cmera title, Time, Video loss, Camera lock, Motion detection, Recording 16CH: 1/4/8/9/16 2Cmera title, Time, Video loss, Camera lock, Motion detection, Recording 16CH: 1/4/8/9/16 2Cmera title, Time, Video loss, Camera lock, Motion detection, Recording 16CH: 1/4/8/9/16 2Cmera title, Time, Video loss, Camera lock, Motion detection, Recording 16CH: 1/4/8/9/16 2Cmera title, Time, Video loss, Camera lock, Motion detection, Recording 170°C × +55°C (+14°F × +131°F), 0° 90% RH Power Consumption 20Mini 10J, 325mmx255mmx555mm (12.8" x 10" x 2.2") Installation Desktop installation 2cmornental 2cmor	Record Interval		Electrical	
Resolution 1920×1080, 1280×1024, 1280×720, 1024×768 When IP extension mode enabled: 4/CH: 1/4/8/9 Both: 1/4/8/9/16 When IP extension mode enabled: 4/CH: 1/4/8/9/16 When IP extension mode enabled: 4/CH: 1/4/8/9/16 When IP extension mode enabled: 4/CH: 1/4/8/9/16 Both: 1/4/8/9/16 Both: 1/4/8/9/16 Both: 1/4/8/9/16 Comera title, Time, Video loss, Camera lock, Motion detection, Recording Network Interface 4/8CH: 1.RI-45 Port (100M) 16CH: 1.RI-45 Por	Display		Power Supply	DC12V/2A
Multi-screen Display When IP extension mode not enabled: 4CH: 1/4/89/9 Multi-screen Display Screen Subject Screen Subject Screen Subject Dimensions Mini 1U, 325mmx255mmx255mmx161.28" x 10" x 2.2") Net Weight 1.5kg (3.3 lb) (without HDD) Desktop installation Desktop installation Environmental Operating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH Third-party Support Third-party Support Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyc Sony, Videotec, Vivotek, and more Certifications Certifications Third-party Support Third-party Support Third-party Support Third-party Support Certifications Certifications Certifications Third-party Support Third-party Suppor	Interface	1 HDMI ,1 VGA	Power Consumption	<10W (Without HDD)
Multi-screen Display Camera title, Tit/4/8/9/16 Screen Screen Display Camera title, Time, Video loss, Camera lock, Motion Desktop installation Desktop installation Environmental Operating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH Third-party Support Third-party Support Third-party Support Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo Sony, Videotec, Vivotek, and more Certifications Max. User Access 128 users Max. User Access 128 users Max. User Access 128 users FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 51000-3-3, EN 55032, EN 501	Resolution	1920×1080, 1280×1024, 1280×720, 1024×768	Construction	
Multi-screen Display **Ref		4CH: 1/4 8CH: 1/4/8/9 16CH: 1/4/8/9/16 When IP extension mode enabled: 4CH: 1/4/6	Dimensions	Mini 1U, 325mm×255mm×55mm (12.8" x 10" x 2.2")
When IP extension mode enabled: 4CH: 1/4/6 8CH: 1/4/8/9/16 15CH: 1/4/8/9/16/25 OSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Network Interface 4/8CH: 1 RJ-45 Port (100M) 16CH: 1 RJ-45 Port (1000M) PHTP, 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.) Max. User Access 128 users Smart Phone iPhone, iPad, Android When IP extension mode enabled: ACH: 1 RJ-46 BCH: 1/4/8/9/16/25 Installation Desktop installation Desktop installation Desktop installation Desktop installation Desktop installation Third-party Support Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo Sony, Videotec, Vivotek, and more Certifications FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1/ICE 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 501			Net Weight	1.5kg (3.3 lb) (without HDD)
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OSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Operating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH Operating Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH Third-party Support Certifications Max. User Access Smart Phone iPhone, iPad, Android Interoperability ONVIF 2.42, CGI Conformant Camera title, Time, Video loss, Camera lock, Motion Operating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH Third-party Support Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo Sony, Videotec, Vivotek, and more Certifications Certifications Certifications Certifications Certifications Certifications			Installation	Desktop installation
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EN 55024			Certifications	CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130,

Lite Series | DHI-XVR5104/08/16HE-S2

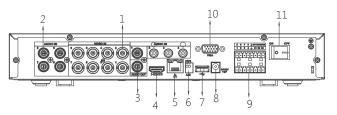
Dimensions (mm)

Ordering Information				
Туре	Part Number	Description		
	DHI-XVR5104HE-S2	4 Channel Penta-brid 1080P Mini 1U Digital Video Recorder		
4/8/16 Channel XVR	DHI-XVR5108HE-S2	8 Channel Penta-brid 1080P Mini 1U Digital Video Recorder		
	DHI-XVR5116HE-S2	16 Channel Penta-brid 1080P Mini 1U Digital Video Recorder		

Rear Panel

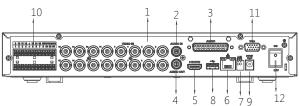


DHI-XVR5108HE-S2



- VIDEO IN 1
- USB Interface
- 2 AUDIO IN, RCA Connector
- DC12V Power Input
- 3 AUDIO OUT, RCA Connector
- ALARM IN / OUT 9
- 4 **HDMI** Interface
- 10 VGA Interface
- 5 Network Interface
- Power Switch 11
- 6 RS485 Interface





- 1 VIDEO IN
- RS485 Interface
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- 10 ALARM IN / OUT
- **HDMI** Interface
- 11 VGA Interface
- Network Interface
- 12 Power Switch

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