

DHI-XVR5104/08/16HS-S2

4/8/16 Channel Penta-brid 1080P Compact 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 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 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(XVR5116HS-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.

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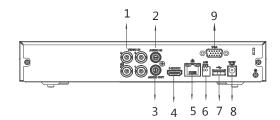
Main Processor	Technical Specification		Video Detection and Alarm	
Main forecosor	System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Operating System	Main Processor	Embedded Processor	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss,
Main	Operating System	Embedded LINUX		
Playback and Backurane Playback and Backurane Playback Pla	Video and Audio		·	
HOCK Camera	Analog Camera Input	4/8/16 Channel, BNC	, ,	
ARD Camera AMP, 1080/925/30, 720/925/30/ps Playback RCH: 1/4/9/16 TM Camera D80/925/30, 720/925/30/ps Search Mode Time / Joac, Alam, MD and Exact Search (accurate to second) UP Camera PAI/TRSC Pal/TRSC Polyback Function Playback Function <td>HDCVI Camera</td> <td>4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps</td> <td>Playback and Back</td> <td></td>	HDCVI Camera	4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback and Back	
Tries	AHD Camera	4MP, 1080P@25/30, 720P@25/30fps	Playback	8CH: 1/4/9
CVBS Camera PAL/MISC Paly Base (1904) Paly Base (1904) Paly Base (1904) Paly Paule, Stop, Revind, Fest play, Slow Play, Next File, Albert Previous File, Next Camera, Persions Camera, Full Screen, Persions Persions, Pers	TVI Camera	1080P@25/30, 720P@25/30fps		
Audio In/Out	CVBS Camera	PAL/NTSC	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Audio In/Out 1/1, RCA Reuse audio in/out, RCA Reactury Mode Receat, Shuffle, Backup Selection, Digital Zoom Recording Storage Storage Storage Compression 4 R264/H2564 Storage Storage Record Rate Main stream: 4M-N/1080P(1-15/gs); 1080N/720P/960H/ Display (17/gs); 1080N/720P/960H/ Display (17/gs	IP Camera Input	4+2/8+4/16+8 Channel, each channel up to 5MP	01 1 15	
Security	Audio In/Out	1/1, RCA	Playback Function	
Recording Recording Recording Recording Recording Recording Recording Record Rate	Two-way Talk	Reuse audio in/out, RCA	Backup Mode	USB Device/Network
Resolution	Recording			
Resolution 4M-N, 1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, CIF eSATA N/A Record Rate D, Main stream, 4M-N, 1080P(11-15phy; 1080N/720P/950H/) D1, MD1, ECIF, CIF, CIF, 127-360Phy Sub steram: D1/CIF/QCIF(11-15phy) Sub steram: D1/CIF/QCIF(11-15phy) Sub steram: D1/CIF/QCIF(11-15phy) Auxiliary Interface 4/8CH2 USB 2.0 16CH1 USB 2.0, 1 USB 3.0 Record Mode Manual, Schedule (Regular, Continuous), MD (Video decetion: Motion Detection, Video Loss, Tampering), Alarm, Scop RS232 N/A Record Interval 1-80 min (default: 60 min), Pre record: 1~30 sec, Post-record: 1~30 sec, Post-record: 10~30 sec,	Compression	H.264+/H.264	_	A CATA D OTD
Main stream.d.M./1080Pt("1-Stp3: 1080N/720P)950H/	Resolution	4M-N, 1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF		
Bit Rate 1kbps ~ 6144kbps Per Channel USB 4/8CH.2 USB 2.0 1USB 2.0, 1USB 3.0	Record Rate	D1/HD1/BCIF/CIF/QCIF (1~25/30fps)		N/A
Record Mode Manual, Schedule (Regular, Continuous), MD (Video detection, Motion Detection, Video Loss, Tampering), Alm, Stop RS232 N/A Record Interval 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec Electrical Display Power Supply DC12V/ZA Interface 1 HDMI, 1 VGA Power Consumption <100W (Without HDD)	Bit Rate		USB	
R5485 Port, for PTZ Control		The state of the s	RS232	
Power Supply DC12V/2A Power Consumption C10W (Without HDD) Resolution 1920x1080, 1280x1024, 1280x720, 1024x768 Resolution 1920x1080, 1280x1024, 1280x720, 1024x768 When IP extension mode not enabled: 4CH: 1/4/8/9/16 16CH: 1/	Record Mode		RS485	1 Port, for PTZ Control
Interface 1 HDMI,1 VGA Resolution 1920x1080, 1280x1024, 1280x720, 1024x768 Construction When IP extension mode not enabled: 4(Et. 1/4 8CH: 1/4/8/9/16 16CH: 1/4/8/9/16 16CH: 1/4/8/9/16 16CH: 1/4/8/9/16 2Camera title, Time, Video loss, Camera lock, Motion detection, Recording 16CH: 1/4/8 Port (100M) 16CH: 1 RJ-45 Port (100M) 16CH: 1 RJ-45 Port (1000M) 16CH: 1 RJ-45 Port	Record Interval		Electrical	
Resolution 1920x1080, 1280x1024, 1280x720, 1024x768 Construction When IP extension mode not enabled: 4CH: 1/4 8CH: 1/4/8/9/16 When IP extension mode enabled: 4CH: 1/4/8 8CH: 1/4/8/9/16 When IP extension mode enabled: 4CH: 1/4/8 8CH: 1/4/8/9/16 16CH: 1/4/6 8CH: 1/4/8/9/16 16CH: 1/4/8/9/16 16CH: 1/4/8/9/16 16CH: 1/4/8/9/16/25 OSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Interface 4/8CH: 1.RI-45 Port (100M) 16CH: 1.RI-45 Port (100M) 16CH: 1.RI-45 Port (1000M) Network Function Network Function Max. User Access Smart Phone iPhone, iPad, Android Construction Construction Compact 1U, 260x236x48mm(10.2"x9.3"x1.9") Antweight 0.75kg (1.7lb) (without HDD) Desktop installation Desktop installation Desktop installation Desktop installation Phone iPhone, iPad, Android Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more Certifications FCC: Part 15 Subpart B EC: CE-IVD: EN 60950-1/IEC 60950-1 CE: CE-IVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130,	Display		Power Supply	DC12V/2A
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: 1/4/8/9/16 When IP extension mode enabled: 4CH: 1/4/8/9/16 SCH: 1/4/8/9/16 SCH	Interface	1 HDMI ,1 VGA	Power Consumption	<10W (Without HDD)
ACH: 1/4 8CH: 1/4/8/9 16CH: 1/4/8/9/16 When IP extension mode enabled: 4CH: 1/4/8 When IP extension mode enabled: 4CH: 1/4/8 When IP extension mode enabled: 4CH: 1/4/8 SCH: 1/4/8/9/16 SCH: 1/4/8/9/16 Installation Desktop installation Environmental Operating Conditions -10°C~+55°C (+14°F~+131°F), 0~90% RH Prince A/8CH: 1 RI-45 Port (100M) Interface A/8CH: 1 RI-45 Port (100M) I	Resolution	1920×1080, 1280×1024, 1280×720, 1024×768	Construction	
Multi-screen Display **RCH: 1/4/8/9/16*** 16CH: 1/4/8/9/16*** Mee Pextension mode enabled: 4CH: 1/4/6 8CH: 1/4/8/9/16 16CH: 1/4/8/9/16/25 **Remaratile, Time, Video loss, Camera lock, Motion detection, Recording **Operating Conditions** **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** **Third-party Support** **Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more **Support Dahua IP camera, DVR, NVS, etc.)* **Max. User Access** **128 users** **Max. User Access** 128 users** **Third-party Support** **Certifications** **Certifications** **FCC: Part 15 Subpart B** **CC: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, CE-EMC: EN 61000-3-3, EN 55032, EN 50130, C			Dimensions	Compact 1U, 260×236×48mm(10.2"×9.3"×1.9")
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 Interface 4/8CH: 1 RJ-45 Port (100M) 16CH: 1 RJ-45 Port (100M) Network Function DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, P2P,IP Search (Support Dahua IP camera, DVR, NVS, etc.) Max. User Access Smart Phone When IP extension mode enabled: 4/18/9/16/25 Installation Desktop installation Desktop installation Desktop installation Third-party Support Third-party Support Third-party Support Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, P2P,IP Search (Support Dahua IP camera, DVR, NVS, etc.) Certifications FCC: Part 15 Subpart B FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 55032, EN 55032, EN 50130,		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	Net Weight	0.75kg (1.7lb) (without HDD)
SCH: 1/4/8/9/16 16CH: 1/4/8/9/16/25 Environmental	Multi-screen Display		Gross Weight	1.5kg (3.3lb)
Camera title, Time, Video loss, Camera lock, Motion detection, Recording Operating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH Network Interface 4/8CH: 1 RJ-45 Port (100M) 16CH: 1 RJ-45 Port (1000M) 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.) Max. User Access Smart Phone iPhone, iPad, Android Interoperability ONVIF 2.42, CGI Conformant Environmental 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 Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more 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			Installation	Desktop installation
Operating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH Network Interface 4/8CH: 1 RJ-45 Port (1000M) 16CH: 1 RJ-45 Port (1000M) Network Function Network Function Network Function Max. User Access Smart Phone iPhone, iPad, Android Interoperability ONVIF 2.42, CGI Conformant 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 Third-party Support Certifications FCC: Part 15 Subpart B Certifications Certifications Certifications Certifications Certifications			Environmental	
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Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, DNS, IP Filter, PPPoE, DNS, FTP, Alarm Server, P2P,IP Search (Support Dahua IP camera, DVR, NVS, etc.) Max. User Access 128 users Smart Phone iPhone, iPad, Android Interoperability ONVIF 2.42, CGI Conformant Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more Certifications Certifications Certifications Certifications Certifications	Network		Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH
Network Function HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DNS, FTP, Alarm Server, P2P,IP Search (Support Dahua IP camera, DVR, NVS, etc.) Max. User Access 128 users Smart Phone iPhone, iPad, Android Interoperability ONVIF 2.42, CGI Conformant Third-party Support Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more 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,	Interface		Third-party Suppo	
Max. User Access 128 users Smart Phone iPhone, iPad, Android Interoperability ONVIF 2.42, CGI Conformant Certifications FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 55032, EN 55130,	Network Function	DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P,IP Search		Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo,
Smart Phone iPhone, iPad, Android CE: CE-LVD: EN 60950-1/IEC 60950-1 Interoperability ONVIF 2.42, CGI Conformant Certifications CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130,	Max. User Access	128 users	Certifications	
CE: CE-LVD: EN 60950-1/IEC 60950-1 Interoperability	Smart Phone	iPhone, iPad, Android		FCC: Part 15 Subpart B
			Certifications	CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130,
UL: UL 60950-1				

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

Ordering Information				
Туре	Part Number	Description		
	DHI-XVR5104HS-S2	4 Channel Penta-brid 1080P Compact 1U Digital Video Recorder		
4/8/16 Channel XVR	DHI-XVR5108HS-S2	8 Channel Penta-brid 1080P Compact 1U Digital Video Recorder		
	DHI-XVR5116HS-S2	16 Channel Penta-brid 1080P Compact 1U Digital Video Recorder		

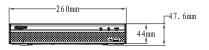
Rear Panel

DHI-XVR5104HS-S2

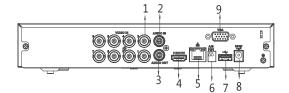


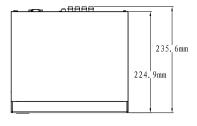
DHI-XVR5108HS-S2

Dimensions (mm)



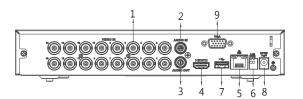








DHI-XVR5116HS-S2



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

