

DHI-XVR5104/08C-S2

4/8 Channel Penta-brid 1080P Smart 1U Digital Video Recorder



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



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 channels of HDCVI/AHD/TVI/CVBS inputs, and 2/4 channels IP camera additionally, 8 channels local live-view channels, and 9 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 \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.

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.

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 predetermined 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.



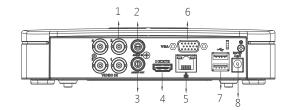
Main Processor	Technical Specification		Video Detection and Alarm	
Operating System	System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Probated Number Probated Number Probated Number Probated Number Nu	Main Processor	Embedded Processor	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss,
Main	Operating System	Embedded LINUX	video Detection	Tampering and Diagnosis
Playback and Backup	Video and Audio		Alarm input	N/A
### DOUTPGE/STAIR, ZODE STAIR STATE ### DOUTPGE/STAIR, ZODE STAIR STAIR ### DOUTPGE/STAIR, ZODE STAIR, ZODE STAIR ### DOUTPGE/STAIR, ZODE STAIR ### DOUTPGE/STAIR, ZODE STAIR ### DOUTPGE/STAIR, ZODE STAIR, SODE STAIR ### DOUTPGE/STAIR, ZODE STAIR, SODE STAIR ### DOUTPGE/STAIR, SODE STAIR,	Analog Camera Input	4/8 Channel, BNC	Relay Output	N/A
### AID Camera	HDCVI Camera	4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback and Back	кир
Payback Function	AHD Camera	4MP, 1080P@25/30, 720P@25/30fps	Playback	
Page	TVI Camera	4MP, 1080P@25/30, 720P@25/30fps	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
PCamera Input	CVBS Camera	PAL/NTSC		Dlay Pausa Stan Powind Fact play Clay Play Next File
Audio In/Out	IP Camera Input	4+2/8+4 Channel, each channel up to 5MP	Playback Function	Previous File, Next Camera, Previous Camera, Full Screen,
Storage	Audio In/Out	1/1, RCA		Repeat, Shuffle, Backup Selection, Digital Zoom
Network Netw	Two-way Talk	Reuse audio in/out, RCA	Backup Mode	USB Device/Network
Record Rate AM-N, 1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF eSATA N/A	Recording		Storage	
Main stream: 4M-M/1080P(1-15fps); 1080N/720F/960H/ D1/HD1/9CIF/cIF/CIPCIE (1°25/30fps) Sub steram: 2M-M/106(Fi/CIPCIE (1°25/30fps) Sub steram: D1/CIF/CIPCIE (1°25/30fps) Sub steram: D1/CIPCIE (1°25/30fps) Sub steram: D1/CIPCIE (1°25/30fps) Sub steram: D1/CIPCIE (1°25/30fps) Sub steram: D1/CIPCIE (1°25/30fps)	Compression	H.264+/H.264	Internal HDD	1 SATA Port, up to 8TB capacity
National Substitution National Substitution National Substitution National Substitution National Substitution National Substitution National Substitutional Substitution National Substitutional Substit	Resolution	4M-N, 1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF	eSATA	N/A
Bit Rate 1Kbps ~ 6144Kbps Per Channel RS232 N/A	Record Rate	D1/HD1/BCIF/CIF/QCIF (1~25/30fps)	Auxiliary Interface	
Manual, Schedule (Regular, Continuous), MD (Video 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	Rit Rate			
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 Display	Dit Nate			
Record Interval 1~60 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec Power Supply DC12V/2A	Record Mode	detection: Motion Detection, Video Loss, Tampering),		N/A
Display Interface 1 HDMI ,1 VGA Resolution 1920×1080, 1280×1024, 1280×720, 1024×768 Dimensions Smart 1U, 205mm×211mm×45mm (8.1"×8.3"×1.8") When IP extension mode not enabled: 4CH: 1/4 /8 /9 When IP extension mode enabled: 4CH: 1/4 /8 /9 When IP extension mode enabled: 4CH: 1/4 /8 /9 When IP extension mode enabled: 4CH: 1/4 /8 /9 When IP extension mode enabled: 4CH: 1/4 /8 /8 BCH: 1/4 /8 /9/ When IP extension mode enabled: 4CH: 1/4 /8 BCH: 1/4 /8 /9/ When IP extension mode enabled: 4CH: 1/4 /8 BCH: 1/4 /8 /9 /16 Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Interface 1 RJ-45 Port (100M) Third-party Support Third	Record Interval			DC12V/2A
Interface 1 HDMI,1 VGA Resolution 1920×1080, 1280×1024, 1280×720, 1024×768 Dimensions Smart 1U, 205mm×211mm×45mm (8.1"×8.3"×1.8") When IP extension mode not enabled: 4CH: 1/4 8CH: 1/4/8/9 When IP extension mode enabled: 4CH: 1/4/6 8CH: 1/4/8/9/16 OSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Storage Conditions -10°C~+55°C (+14°F~+131°F), 0~90% RH Network Interface 1 RJ-45 Port (100M) HTTP, TCP/IP, IPV4/IPV6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPP6L, DDNS, FTP, Alarm Server, P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.) Max. User Access 128 users Certifications	Display	record: 10 300 sec		
Resolution 1920×1080, 1280×1024, 1280×720, 1024×768 Dimensions Smart 1U, 205mm×211mm×45mm (8.1"x8.3"×1.8") When IP extension mode not enabled: 4CH: 1/4 8CH: 1/4/8/9 When IP extension mode enabled: 4CH: 1/4/8/9 Installation Desktop installation Environmental Operating Conditions -10°C ~+55°C (+14°F ~+131°F), 0~90% RH Petwork Interface 1 RJ-45 Port (100M) Petwork Function Prilter, 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 Interoperability ONVIF 2.42, CGI Conformant Certifications Certifications Certifications Certifications Dimensions Smart 1U, 205mm×211mm×45mm (8.1"x8.3"×1.8") Net Weight 0.55kg (1.2lb) (without HDD) 4CH: 4CH: 1/4/8/9 Ikg (2.2lb) Installation Desktop installation Environmental Third-party Support -20°C ~+55°C (+14°F ~+131°F), 0~90% RH Third-party Support Third-party Support Certifications Certifications		1 HDML 1 VGA		<10W (Without HDD)
Multi-screen Display When IP extension mode not enabled: 4CH: 1/4 8CH: 1/4/8/9 When IP extension mode enabled: 4CH: 1/4/6/6 8CH: 1/4/8/9/16 OSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Network Interface 1 RJ-45 Port (100M) Network Function Max. User Access 128 users Dimensions Smart 10, 205mmx211mmx45mm (8.1°x8.3°x1.8°) Net Weight Gross Weight 1kg (2.2lb) 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 Plus Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sor Videotec, Vivotek, and more Certifications FCC: Part 15 Subpart B Interoperability ONVIF 2.42, CGI Conformant Certifications Certifications Certifications				
Multi-screen Display ACH: 1/4 8CH: 1/4/8/9 When IP extension mode enabled: 4CH: 1/4/6 8CH: 1/4/8/9/16 OSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Interface 1 RJ-45 Port (100M) HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPP0E, DDNS, FTP, Alarm Server, P2P,IP Search (Support Dahua IP camera, DVR, NVS, etc.) Max. User Access Table 4 Certifications 4 CH: 1/4/8/9 Ach: 1/4/6 Ach:				
When IP extension mode enabled: 4CH: 1/4/6 8CH: 1/4/8/9/16 Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Network Interface 1 RJ-45 Port (100M) 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 128 users Smart Phone Interoperability When IP extension mode enabled: Installation Desktop installation 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, Sor 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 55032, EN 55130,		4CH: 1/4		
SCH: 1/4/8/9/16 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 Third-party Support Third-party Support Third-party Support Third-party Support Third-party Support Third-party Support Certifications Third-party Support Third-party Support	Multi-screen Display	When IP extension mode enabled:		
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Network Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH Third-party Support Network Function Network Function Network Function Max. User Access 128 users Third-party Support Certifications Third-party Support Third-p	000	Camera title, Time, Video loss, Camera lock, Motion	Environmental	
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Network Function DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P,IP Search (Support Dahua IP camera, DVR, NVS, etc.) Max. User Access 128 users Certifications FCC: Part 15 Subpart B Interoperability ONVIF 2.42, CGI Conformant Certifications Certifications	Interface	1 RJ-45 Port (100M)	Third-party Support	
Smart Phone iPhone, iPad, Android FCC: Part 15 Subpart B Interoperability ONVIF 2.42, CGI Conformant Certifications CE: CE-LVD: EN 60950-1/IEC 60950-1 Certifications CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130,	Network Function	DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P,IP Search	Third-party Support	Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sor
Interoperability ONVIF 2.42, CGI Conformant Cet: CE-LVD: EN 60950-1/IEC 60950-1 Cetifications CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130,	Max. User Access	128 users	Certifications	
Certifications CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130,	Smart Phone	iPhone, iPad, Android		FCC: Part 15 Subpart B
	Interoperability	ONVIF 2.42, CGI Conformant	Certifications	CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130,

Lite Series | DHI-XVR5104/08C-S2

Ordering Information Type Part Number Description 4/8 Channel XVR DHI-XVR5104C-S2 4 Channel Penta-brid 1080P Smart 1U Digital Video Recorder DHI-XVR5108C-S2 8 Channel Penta-brid 1080P Smart 1U Digital Video Recorder

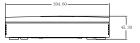
Rear Panel

DHI-XVR5104C-S2



Dimensions (mm)

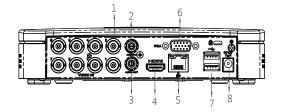
DHI-XVR5108C-S2











1 VIDEO IN

2

- AUDIO IN, RCA Connector
- 6 VGA Interface

5

- 3 AUDIO OUT, RCA Connector
- 7 USB Interface
- 4 HDMI Interface
- 8 DC12V Power Input

Network Interface

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