

DHI-HCVR4204/08/16A-S3

4/8/16 Channel Tribrid 720P 1U Digital Video Recorder



- Embedded processor
- Support HDCVI/CVBS video inputs
- Max 5/10/18 channels IP camera inputs
- Max 20/40/72Mbps Incoming Bandwidth
- Long transmission distance over coax cable
- Support 2 SATA HDD, up to 16TB



System Overview

Dahua newest generation digital video recorder adopts HDCVI technology, our in-house technology is an over-coaxial-cable analog HD video transmission standard, allowing long-distance HD transmission at a lower cost to meet the requirements for a complex and large installation. It supports up to 16 channels of HDCVI/CVBS inputs, and 2 channels IP camera additionally, 16 channels local live-view channels, and 16 playback channels.

Designed as a low-cost, easy installation product, this HCVR is ideal for a wide range of applications such as public safety, retail store, transportation, home protection and education. It is compatible with numerous third-party devices making it the perfect solution for surveillance systems with or without a video management system (VMS). Its open architecture supports multi-user access and is compatible with ONVIF 2.42.

Functions

5MP Resolution

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

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.

P2P

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

Technical Specification

System

| | |
|------------------|--------------------|
| Main Processor | Embedded Processor |
| Operating System | Embedded LINUX |

Display

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|----------------------|--|
| Interface | 1 HDMI ,1 VGA |
| Resolution | 1920×1080, 1280×1024, 1280×720, 1024×768 |
| Multi-screen Display | 4CH: 1/4/6 8CH: 1/4/8/9/16 16CH: 1/4/8/9/16/25 |
| OSD | Camera title, Time, Video loss, Camera lock, Motion detection, Recording |

Video Detection and Alarm

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|-----------------|---|
| Trigger Events | Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips |
| Video Detection | Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering |
| Alarm input | 4/8/16 |
| Relay Output | 3 |

Playback and Backup

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|-------------------|---|
| Playback | 4CH: 1/4 8CH: 1/4/9 16CH: 1/4/9/16 |
| Search Mode | Time /Date, Alarm, MD and Exact Search (accurate to second) |
| 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 |
| Backup Mode | USB Device/Network |

Storage

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| Internal HDD | 2 SATA Ports, up to 8TB capacity for each disk |
| eSATA | N/A |

Auxiliary Interface

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|-------|--------------------------|
| USB | 2 USB Ports (2 USB 2.0) |
| RS232 | N/A |
| RS485 | 1 Port, for PTZ Control |

Third-party Support

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|---------------------|---|
| Third-party Support | Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more |
|---------------------|---|

Audio and Video

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|--------------------|---|
| HDCVI Camera Input | 4/8/16 Channel |
| IP Camera Input | 4+1 Channel, each channel up to 2MP 8+2/16+2 Channel, each channel up to 5MP |
| Audio In/Out | 4/8/16 Channel Input, 1 Channel Output, RCA |
| Two-way Talk | Reuse audio in(channel 1)/out, RCA |

Recording

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|-----------------|---|
| Compression | H.264 |
| Resolution | 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF |
| Record Rate | Main Stream: 4CH:1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) 8/16CH:1080N(12fps)/720P(15fps)/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) Sub stream:4CH:CIF/QCIF(1~15fps) 8/16CH:CIF/QCIF(1~7fps) |
| Bit Rate | 1Kbps ~ 6144Kbps Per Channel |
| Record Mode | 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 |

Network

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|------------------|---|
| Interface | 1 RJ-45 Port (100M) |
| 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.) |
| Max. User Access | 128 users |
| Smart Phone | iPhone, iPad, Android |
| Interoperability | ONVIF 2.42, CGI Conformant |

Electrical

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| Power Supply | DC12V/4A |
| Power Consumption | <15W (Without HDD) |

Environmental

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| Operating Conditions | -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH |
| Storage Conditions | -20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH |

Construction

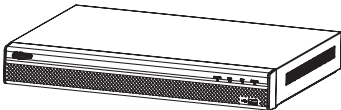
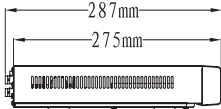
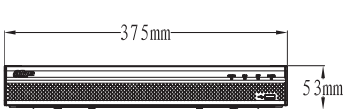
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|--------------|---|
| Dimensions | 1U, 375mm×287mm×53mm (14.8" x 11.2" x 2.1") |
| Net Weight | 2.35kg (5.2 lb) (without HDD) |
| Gross Weight | 3.2kg (7.05lb) |
| Installation | Desktop installation |

Certifications

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| Certifications | FCC: Part 15 Subpart B ICES 003 Issue 6 CE: EN 55032: 2012+AC:2013 (Class B) EN 55024 : 2010 EN 61000-3-2 : 2014 EN 50130-4: 2011 EN 61000-3-3 : 2013 UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07 |
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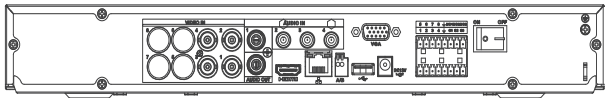
| Ordering Information | | |
|----------------------|------------------|---|
| Type | Part Number | Description |
| 4/8/16 Channel HCVR | DHI-HCVR4204A-S3 | 4 Channel Tribrid 720P 1U Digital Video Recorder |
| | DHI-HCVR4208A-S3 | 8 Channel Tribrid 720P 1U Digital Video Recorder |
| | DHI-HCVR4216A-S3 | 16 Channel Tribrid 720P 1U Digital Video Recorder |

Dimensions (mm)

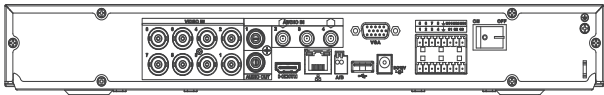


Rear Panel

DHI-HCVR4204A-S3



DHI-HCVR4208A-S3



DHI-HCVR4216A-S3

