

DHI-HCVR5104/08/16HE-S3

4/8/16 Channel Tribrid 1080P-Lite Mini 1U Digital Video Recorder



- Embedded processor
- •H.264+/H.264 video compression
- Support HDCVI/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













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 8 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 2.4.1.

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.

5MP Resolution

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

Spot Output(HCVR5116HE-S3)

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 HCVR has the ability to detect and analyze moving objects for improved video surveillance. The HCVR 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.



Technical Specification		Audio and Video	
System		HDCVI Camera Input	4/8/16 Channel
Main Processor	Embedded Processor	IP Camera Input	4+2/8+4/16+8 Channel, each channel up to 5MP
Operating System	Embedded LINUX	Audio In/Out	4/8/16 Channel input,1 Channel output
Display		Two-way Talk	Reuse audio in(channel 1)/out, RCA
Interface	1 HDMI ,1 VGA	Recording	
Danalistian		Compression	H.264+/H.264
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768 4CH: 1/4/6	Resolution	1080P, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
Multi-screen Display	8CH: 1/4/8/9/16 16CH: 1/4/8/9/16/25	Record Rate	Main stream: 1080P(1~15fps) 1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording		(1~25/30fps) Sub steram:D1/CIF/QCIF(1~25/30fps)
Video Detection and Alarm		Bit Rate	1Kbps ~ 6144Kbps Per Channel
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Video Detection	Motion Detection, MD Zones: 396 (22 \times 18), Video Loss, Tampering and Diagnosis	Record Interval	$1 \sim 60 \text{ min (default: } 60 \text{ min), Pre-record: } 1 \sim 30 \text{ sec,}$ Post-record: $10 \sim 300 \text{ sec}$
Alarm input	4/8/16	Network	
Relay Output	3	Interface	4/8CH: 1 RJ-45 Port (100M)
Tracking Trigger Event	N/A		16CH: 1 RJ-45 Port (1000M) HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP,
Playback and Backup	4CH: 1/4	Network Function	NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P,IP Search (Support Dahua IP camera, DVR, NVS, etc.)
Playback	8CH: 1/4/9 16CH: 1/4/9/16	Max. User Access	128 users
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)	Smart Phone	iPhone, iPad, Android
	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom	Interoperability	ONVIF 2.4.1, CGI Conformant
Playback Function		Electrical	
		Power Supply	DC12V/2A
Backup Mode	USB Device/Network	Power Consumption	<15W (Without HDD)
Storage		Environmental	
Internal HDD	1 SATA Port, up to 6TB capacity	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
HDD Mode	Single	Storage Conditions	0°C ~ +50°C (+32°F ~ +122°F), 0 ~ 90% RH
eSATA	N/A	Construction	
Auxiliary Interface	1971	Dimensions	Mini 1U, 325mm×255mm×55mm (12.8" x 10" x 2.2")
	4/8CH:2 USB Ports (2 USB 2.0)	Net Weight	1.5kg (3.3 lb) (without HDD)
USB	16CH:2 USB Ports (1 USB 2.0 , 1 USB 3.0)	Gross Weight	2kg (4.4lb)
RS232	N/A	Installation	Desktop installation
RS485	1 Port, for PTZ Control	Certifications	
Third-party Support			FCC: Part 15 Subpart B ICES 003 Issue 6
Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more	Certifications	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

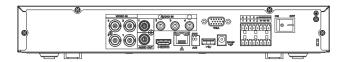
Lite Series | DHI-HCVR5104/08/16HE-S3

Ordering Information			
Туре	Part Number	Description	
	DHI- HCVR5104HE-S3	4 Channel Tribrid 1080P-Lite Mini 1U Digital Video Recorder	
4/8/16 Channel HCVR	DHI- HCVR5108HE-S3	8 Channel Tribrid 1080P-Lite Mini 1U Digital Video Recorder	
	DHI- HCVR5116HE-S3	16 Channel Tribrid 1080P-Lite Mini 1U Digital Video Recorder	

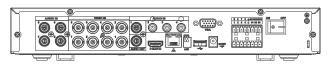
Dimensions (mm)

Rear Panel

DHI-HCVR5104HE-S3



DHI-HCVR5108HE-S3



DHI-HCVR5116HE-S3

