

# DHI-HCVR5216AN-S3

16 Channel Tribrid 1080P-Lite 1U Digital Video Recorder



- ·Embedded processor
- •H.264+/H.264 video compression
- ·Support HDCVI/CVBS/IP video inputs
- •Max 24 channels IP camera inputs, each channel up to 5MP
- ·Max 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 2.42.

#### **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 up to 5MP HD resolution (2560 x 1920) IPC input for recording, live viewing.

#### **Spot Output**

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	16 Channel
Main Processor	Embedded Processor		IP Camera Input	16+8 Channel, each channel up to 5MP
Operating System	Embedded LINUX		Audio In/Out	1/1, RCA
Display			Two-way Talk	Reuse audio in/out, RCA
Interface	1 HDMI ,1 VGA		Recording	
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768		Compression	H.264+/H.264
Multi-screen Display	1/4/8/9/16/25		Resolution	1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording		Main stream: 1080P(1~15fps) 1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) Sub steram:D1/CIF/QCIF(1~15fps)	
Video Detection and Alarm				Record Rate
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips		Bit Rate	1Kbps ∼ 6144Kbps Per Channel
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis		Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Alarm input	N/A		Record Interval	1~60 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
Relay Output N/A Playback and Backup			Network	1031100010.10 300300
	1/4/9/16			4.01.45.0 (400004)
Playback	Time /Date, Alarm, MD and Exact Search (accurate		Interface	1 RJ-45 Port (1000M)
Search Mode  Playback Function	to second)  Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom		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
Backup Mode	USB Device/Network		Smart Phone	iPhone, iPad, Android
Storage			Interoperability	ONVIF 2.42, CGI Conformant
Internal HDD	2 SATA Ports, up to 8TB capacity for each disk		Electrical	
eSATA	N/A		Power Supply	DC12V/5A
Auxiliary Interface			Power Consumption	<15W (Without HDD)
USB	2USB Ports (1 USB 2.0 , 1 USB 3.0)		Environmental	
RS232	N/A		Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH
RS485	1 Port, for PTZ Control		Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH
Third-party Support			Construction	
Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more		Dimensions	1U, 375mm×287mm×53mm (14.8" x 11.3" x 2.1")
			Net Weight	2.35kg (5.2 lb) (without HDD)
			Gross Weight	3.2kg (7.05lb)
			Installation	Desktop installation
			Certifications	
				FCC: Part 15 Subpart B ICES 003 Issue 6
			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

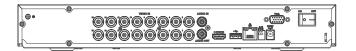
EN 50130-4: 2011 EN 61000-3-3 : 2013
UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07

# Lite Series | DHI-HCVR5216AN-S3

Ordering Information				
Туре	Part Number	Description		
16 Channel HCVR	DHI- HCVR5216AN-S3	16 Channel Tribrid 1080P-Lite 1U Digital Video Recorder		

### **Rear Panel**

DHI-HCVR5216AN-S3



## **Dimensions (mm)**



