Tribrid 5 MP HCVR

16-Channel Tribrid 5 MP 12 TB Digital Video Recorder

- Embedded Processor
- Supports 16 HDCVI/CVBS Inputs
- Supports 8 IP Inputs
- Max. 96 Mbps Incoming Bandwidth
- Up to 5 MP Resolution for Preview and Playback
- 2 HDD, up to 12 TB
- Smart Search
- Intelligent Video System (one IP channel)
- **Supports 16 Alarm Inputs and 3 Relay Outputs**

H.264+ | 1080p HDMI / VGA | Plug&Play | 16CH | Max 12TB | 5Mp

System Overview

Dahua, a global leader in security systems, introduces HDCVI technology, our proprietary technology for transmitting analog HD video over-coaxial-cable. HDCVI allows long-distance HD transmission at a lower cost to meet the requirements for a complex and large installation. The HDCVI DVR utilizes tribrid access technology to seamlessly record video from HDCVI, CVBS, and IP sources simultaneously. The HCVR offers advanced options such as built-in motion detection algorithms and customized recording modes.

The HCVR supports up to 16 channels of HDCVI/CVBS inputs, and up to 8 IP camera channels. HCVR technology is the ideal solution for actively monitoring and recording video feeds in a wide range of applications including public venues, retail stores, transportation hubs and access ways, personal property and homes, and educational institutions.

Functions

Smart H.264+
The Smart H.264+ video compression standard can reduce bit rate and storage requirements by up to 70% without having to invest in new cameras.

HDCVI/ CVBS Auto-detect
The HCVR automatically recognizes the incoming signals of each attached camera without any setup, making installation easy and operation convenient.

5 MP Resolution
The HCVR supports 5MP HD resolution (2560 x 1920) for recording and live viewing.

Spot Output
The HCVR includes a spot output connection for a secondary monitor. This output allows an operator to view a monitor dedicated 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 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.

Flexible Recording
The HCVR offers a variety of configurable recording options and schedule that saves HDD space and active monitoring time. The HCVR monitors incoming video and can be programmed to record if motion is detected, an alarm is triggered, or if an IVS event is triggered. The HCVR can also be programmed to record on a schedule or at different intervals. The recording options and schedules can be set for each individual camera or copied to all cameras.

Smart Search
Smart Search allows an operator to specify a region in the playback video to search for a motion detection event, saving time and manpower.

ONVIF

Pro Series | DHI-HCVR52A16A-S3

Technical Specification

System

Main Processor	Embedded Processor
Operating System	Embedded LINUX

Display

Interface	One (1) HDMI One (1) VGA
Resolution	1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
Multi-screen Display	Spot
On-Screen Display	Camera Title, Time, Video Loss, Camera Lock, Motion Detection, and Recording

Video Detection and Alarm

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 Camera Blank
Alarm input	16 Channel, Low Level Effective, Green Terminal Interface
Relay Output	3 Channel, NO/NC Programmable, Green Terminal Interface

Playback and Backup

Sync Playback	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 Internal SATA Burner

Storage

Internal HDD	2 HDD, 12 TB
HDD Mode	Single

Auxiliary Interface

USB	One (1) USB 2.0 and One (1) USB 3.0
RS485	One (1) Port for PTZ Control

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 others

Audio and Video

HDCVI Camera Inputs	16 Channels
IP Camera Inputs	8 Channels
Audio In/Out	1/1
Two-way Talk	1 Channel Input, 1 Channel Output, RCA

Recording

Compression	Smart H.264+ / H.264
Resolution	5 MP, 4 MP, 3 MP, 1080p, 1080N, 720p
Record Rate	96 Mbps
Bit Rate	1 Kbps to 6144 Kbps per Channel
Record Mode	Manual, Schedule (Regular, Continuous), Motion Detection (Video detection: Motion Detection, Camera Blank, Video Loss), Alarm, Stop
Record Interval	1 to 120 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s

Network

Interface	1 RJ-45 Port (1000 Mbps)
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS
Max. User Access	128 users
Mobile Operating System	IOS and Android
Interoperability	ONVIF 2.4.1, CGI Conformant

Electrical

Power Supply	12 VDC, 4 A, 50/60 Hz
Power Consumption	< 15 W (without HDD)

Environmental

Operating Conditions	-10°C to +55°C (+14°F to +131°F), 86 to 106 kpa
Storage Conditions	-20°C to +70°C (-4°F to +158°F), 0 to 90% RH

Construction

Dimensions	1U, 375.0 mm × 285.0 mm × 53.0 mm (14.70 in. x 11.20 in. x 2.20 in.)
Net Weight	1.50 kg (3.30 lb) (without HDD)
Gross Weight	3.0 kg (6.62 lbs)
Installation	Rack mount

Certifications

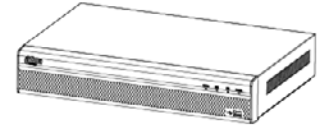|	
Certifications	FCC: VFHKEM1603000306IT-R2
	UL: E234884-A119-UL

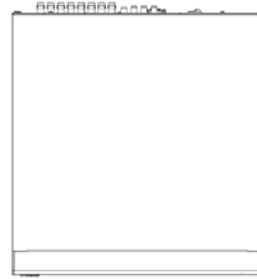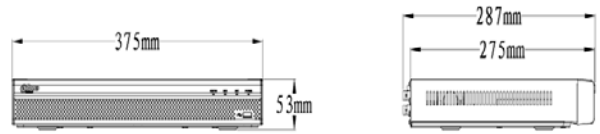## Intelligence

IVS triggers an alarm and takes a defined action for the following events:

Premium Features	
Motion	An object moves through any part of the scene.
Tripwire	A target crosses a user-defined line.
Intrusion	A target enters or exits a defined perimeter.
Scene Change	A person or object moves the camera to change the scene or covers the camera to obscure the scene.
Abandoned/Missing Object	A target leaves an object in designated area, or a target removes an object from the same designated area.

Dimensions (mm)

Ordering Information

Type	Part Number	Description
16 Channel HCVR	DHI-HCVR52A16A-S3	16-Channel 5 MP Digital Video Recorder

alhua TECHNOLOGY