

Tribrid 4 MP DVR

4/8/16-Channel 4-MP 1U Digital Video Recorder



- Embedded Processor
- Smart H.264+/H.264 Dual-stream Video Compression
- Supports HDCVI/CVBS Video Inputs
- Max. 2/4/8 IP Channels, each channel up to 5 MP
- Max. 24/48/96 Mbps Incoming Bandwidth
- HDMI Output up to 4 MP (3840 x 2160) Resolution
- Built-in Smart Search



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 5 MP resolution (2560 x 1920) on IP camera inputs for recording and live viewing.

Flexible Recording

The HCVR offers a variety of configurable recording options and schedules that saves HDD space and active monitoring time. The HCVR monitors incoming video and can be programmed to record if motion is detected. 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.

Technical Specification

System

Main Processor	Embedded Processor
Operating System	Embedded LINUX

Display

Interface	One (1) HDMI (up to 3840 x 2160) One (1) VGA
Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768
Multi-screen Display	4 Ch: 1/4/6 8 Ch: 1/4/8/9/16 16 Ch: 1/4/8/9/16/25
On-screen Display Options	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 x 18), Video Loss, Tampering, and Diagnosis

Playback and Backup

Playback	4 Ch: 1/4 8 Ch: 1/4/9 16 Ch: 1/4/9/16
Search Mode	Time / Date, Alarm, Motion Detection, and Exact Search (accurate to 1 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, and Digital Zoom
Backup Mode	USB Device Network

Storage

Internal HDD	2 SATA Ports, up to 6 TB capacity for each disk
HDD Mode	Single

Auxiliary Interface

USB	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
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Audio and Video

HDCVI Camera Input	4/8/16 Channels
IP Camera Input	2/4/8 Channels, each channel up to 5 MP
Audio In/Out	1/1
Two-way Talk	Reuse Audio In/Out, RCA

Recording

Compression	Smart H.264+/H.264
Resolution	4 MP, 1080p, 720p, 960H, D1, HD1, BCIF, CIF, QCIF
Record Rate	Main stream: 4 MP (1 to 15 fps), or 1080p/720p/960H/D1/HD1/BCIF/CIF/QCIF (1 to 25/30 fps) Sub Stream: D1/CIF/QCIF(1 to 25/30 fps)
Bit Rate	32 Kbps to 6144 Kbps per Channel
Record Mode	Manual, Schedule (Regular, Continuous), Motion Detection (Video detection: Motion Detection, Video Loss, Tampering), Alarm, and Stop
Record Interval	1 to 60 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 M)
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)
Max. User Access	128 users
Mobile Operating System	IOS and Android
Interoperability	ONVIF 2.4.1, CGI Conformant

Electrical

Power Supply	4/8 Ch: DC12V / 4 A, 16 Ch: DC12V / 5 A
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	0°C to +50°C (+32°F to +122°F), 0 to 90% RH

Construction

Dimensions	1U, 375.0 mm x 285.0 mm x 55.0 mm (14.80 in. x 11.20 in. x 2.20 in.)
Net Weight	2.35 kg (5.20 lbs) (without HDD)
Gross Weight	3.20 kg (7.05 lb)
Installation	Desktop installation

Certifications

Certifications	FCC: Coming soon
	UL: Coming soon

Ordering Information

Type	Part Number	Description
4/8/16 Channel HCVR	C52A1N	4-Channel 4 MP 1U Digital Video Recorder
	C52A2N	8-Channel 4 MP 1U Digital Video Recorder
	C52A3N	16-Channel 4 MP 1U Digital Video Recorder

Dimensions (mm)

