

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



- •Embedded processor
- Max 4/8/16 HDCVI/CVBS Inputs
- •Max 6/12/24 channels IP camera inputs •Max

24/48/96Mbps Incoming Bandwidth • Up to

5M Resolution for Preview and Playback

- •1HDD, Up to 6TB
- •Smart Search and Intelligent Video System(Optional)



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.

HDCVI/CVBS Auto-detect

The HCVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

5MP Resolution

The HCVR supports 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 XVR has the ability to detect and analyze moving objects for improved video surveillance. The XVR 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 pre-determined 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.







Pro Series |

Technical Specification

System

Main Processor	Embedded Processor	
Operating System	Embedded LINUX	
Display		
Interface	1 HDMI(up to 3840x2160),1 VGA	
Resolution	3840x2160,1920×1080, 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

Video Detection and Alai	rm			
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	N/A			
Relay Output	N/A			
Tracking Trigger Event	N/A			
Playback and Backup				
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				
Internal HDD	2 SATA Ports, up to 6TB capacity for each disk			
HDD Mode	Single			
eSATA	N/A			
Auxiliary Interface				
Front Cover	N/A			
USB	2 USB Ports (1 USB 2.0 , 1 USB 3.0)			
RS232	N/A			
RS485	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 more			

Audio and Video		
HDCVI Camera Input	4/8/16 Channel	
IP Camera Input	4+2/8+4/16+8 Channel, each channel up to 5MP	
Audio In/Out	1/1	
Two-way Talk	1 Channel Input, 1 Channel Output, RCA	
Recording		
Compression	H.264+/H.264	
Resolution	4MP,1080P, 720P, 960H, D1, HD1, BCIF, CIF, QCIF	
Record Rate	Main stream: 4MP(1~15fps) 1080P/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) Sub steram:D1/CIF/QCIF(1~25/30fps)	
Bit Rate	32Kbps ~ 6144Kbps Per Channel	
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop	
Record Interval	$1 ^\sim$ 120 min (default: 60 min), Pre-record: $1 ^\sim$ 30 sec, Post-record: 10 $^\sim$ 300 sec	
Network		
Interface	1 RJ-45 Port (1000M)	
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, etc.)	
Max. User Access	128 users	
Smart Phone	iPhone, iPad, Android	
Interoperability	ONVIF 2.4.1, CGI Conformant	
Electrical		
Power Supply	4/8CH:DC12V/4A,16CH: DC12V/5A	
Power Consumption	<15W (Without HDD)	
Environmental		
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa	
Storage Conditions	0°C ~ +50°C (+32°F ~ +122°F), 0 ~ 90% RH	
Construction		
Dimensions	1U, 3725mm×285mm×55mm (14.8" x 11.2" x 2.2")	
Net Weight	2.35kg (5.2 lb) (without HDD)	
Gross Weight	3.2kg (7.05 lb)	
Installation	Desktop installation	
Certifcations		
Certifications	FCC: Coming soon UL: Coming soon	
	-	



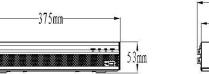
Pro Series

Ordering Information

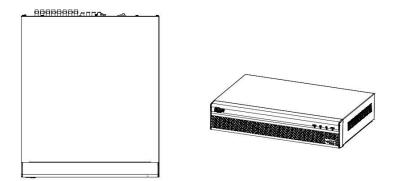
Туре	Part Number	Description
4/8/16 Channel HCVR	DHI-HCVR7104AN- 4M	4 Channel 4MP 1U Digital Video Recorder
	DHI-HCVR7108AN- 4M	8 Channel 4MP 1U Digital Video Recorder
	DHI-HCVR7116AN- 4M	16 Channel 4MP 1U Digital Video Recorder

Dimensions (mm)

6



	—287mm——	-
	—275mm—	-
	NOTOTOTOTOTATION CONTRACTOR	
ļ		





Rev 001.001 © 2016 Dahua . All rights reserved.

