

DH-XVR7208/16A-4KL-X

8/16 Channel Penta-brid 4K 1U Digital Video Recorder



System Overview

With the surveillance operators pursuing to HD/UHD which further adds the storage and transmission cost, HDCVI H.265+/H.265 has been released to incredibly decrease the required bitrate while ensuring the video quality in realizing high resolution surveillance such as 4MP/4K. Designed as a collection of intelligent encoding algorithm based on H.265, H.265+ significantly improves encoding efficiency and save bandwidth/storage cost, which fully meet the needs of users facing budget constraints who both require quality and performance.

Besides smart codec, the series supports various advanced functions like IoT and POS functionalities, making the whole system smarter and more convenient which is a perfect choice for mid to large-scale business and projects where both high reliability and flexibility are required.

Functions

Smart H.265+

Smart Codec, H.265+ can reduce up to 90% bit rate and storage requirements compared with H.264 without having to invest in new cameras.

HDCVI/AHD/TVI/CVBS Auto-detect

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

8MP Resolution

The XVR supports up to 8MP HD resolution (3840 x 2160) HDCVI camera and IP camera input.

Coaxial Audio/Upgrade/Alarm

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

Long Distance Transmission

The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 700m for 4K/4MP, 800m for 1080P and 1200m for 720P.

- · H.265+/H.265 dual-stream video compression
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- \cdot Supports 16/32 channels of IPC access, each channel up to 8MP input; Max 64/128Mbps Incoming Bandwidth
- · IoT & POS functionalities
- · Smart Search and Intelligent Video System



IoT Functionality

HDCVI IoT can achieve multi-dimensional surveillance by integrating sensors with monitoring video, which not only can generate the report for analysis but also prevent risk in advance.

POS Functionality

This funcion includes POS ticket information overlay and search which can be widely used in retail programs.

Smart Fan Design

The smart fan can automatically turn on or turn off according to the CPU temperature. This function can effectively reduce the fan noise to provide a better user experience.

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 typical technology being used in a variety of applications for searching or identification of individuals.

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.

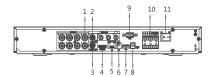


Technical Specification		Video Detection and Alarm		
System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	
Main Processor	Embedded Processor Embedded LINUX	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis	
Operating System	Embedded Linox	Alarm input	8/16	
Video and Audio		Relay Output	3	
Analog Camera Input	8/16 Channel, BNC	Playback and Back		
HDCVI Camera	4K, 6MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback and back	8CH: 1/4/9	
AHD Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps	Tayback	16CH: 1/4/9/16	
TVI Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)	
CVBS Camera	PAL/NTSC		Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screer Repeat, Shuffle, Backup Selection, Digital Zoom	
IP Camera Input	8+8/16+16 Channel, each channel up to 8MP	Playback Function		
Audio In/Out	4/1, RCA	Backup Mode	USB Device/Network	
Two-way Talk	Reuse audio in/out, RCA		·	
Recording		Storage		
Compression	H.265+/H.265/H.264+/H.264	Internal HDD	2 SATA Ports, up to 10TB capacity for each disk	
Resolution	4K, 6MP, 5MP, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF	eSATA	N/A	
Record Rate	Main stream: 4K(1~7fps); 6MP(1~10fps); 5MP(1~12fps); 4MP/3MP(1~15fps); 4M-N/1080P/720P/960H/D1/ CIF(1~25/30fps) Sub steram:960H(1~15fps); D1/CIF(1~25/30fps)	Auxiliary Interface	Auxiliary Interface	
		USB	2 USB Ports (1 USB 2.0 , 1 USB 3.0)	
		RS232	N/A	
Bit Rate	32Kbps ~ 6144Kbps Per Channel	RS485	1 Port, for PTZ Control	
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop	Electrical		
Record Interval	1~60 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec	Power Supply	8CH: DC12V/4A 16CH: DC12V/5A	
Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM	Power Consumption (without HDD)	8CH: <10W 16CH: <20W	
Audio Sample Rate	8KHz, 16 bit Per Channel	Construction		
Audio Bit Rate	64Kbps Per Channel	Device Dimensions	1U, 375mm×287mm×53mm (14.8" x 11.3" x 2.1")	
Display		Device with PFH101 Rack Mount Tray	483mmx281mmx56mm (19.0"x11.1"x2.2")	
Interface	1 HDMI, 1 VGA	Net Weight (without HDD)	8CH: 1.7kg (3.7 lb) 16CH: 1.8kg (4.0 lb)	
Resolution	HDMI:3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720	Gross Weight	8CH: 3.0kg (6.6 lb)	
	When IP extension mode not enabled:	Installation	16CH: 3.2kg (7.0 lb) Desktop installation	
Multi-screen Display	8CH: 1/4/8/9/16 16CH: 1/4/8/9/16 When IP extension mode enabled: 8CH: 1/4/8/9/16 16CH: 1/4/8/9/16/25		Desktop installation	
		Environmental		
		Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 10% ~ 90% RH	
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH	
Network	necorumg	Third-party Suppo	rt	
Interface	1 RJ-45 Port (1000M)	Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, C Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung	
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPP0E,DDNS, FTP, Alarm Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS,	Certifications	Sanyo, Sony, Videotec, Vivotek, and more	
	etc.)		FCC: Part 15 Subpart B	
Max. User Access	128 users			
Smart Phone	iPhone, iPad, Android	Certifications	CE: CE-LVD: EN 60950-1/IEC 60950-1 Certifications CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024	
Interoperability	ONVIF 16.12, CGI Conformant	30130, EN 33024		

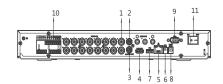
Ordering Information				
Туре	Part Number	Description		
8 Channel XVR	DH-XVR7208A-4KL	8 Channel Penta-brid 4K 1U Digital Video Recorder		
16 Channel XVR	DH-XVR7216A-4KL	16 Channel Penta-brid 4K 1U Digital Video Recorder		
Accessory, optional	DH-PFH101	Rack Mount Tray		

Rear Panel

DH-XVR7208A-4KL-X



DH-XVR7216A-4KL-X



- VIDEO IN 1
- AUDIO IN, RCA Connector 2

AUDIO OUT, RCA Connector

- VGA port
- 3 HDMI port 4
- Network port RS485 port

6

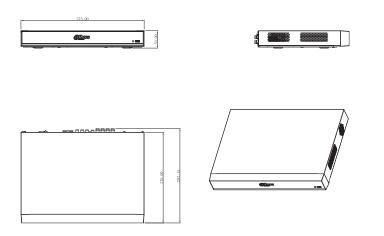
ALARM IN/OUT 10

USB port

DC 12V Power Input

Power Switch 11

Dimensions (mm)



Installation on Rack Mount Tray

