

DH-XVR5108HS-4KL-X

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



- · H.265+/H.265 dual-stream video compression
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- · Max 12 channels IP camera inputs, each channel up to 8MP; Max 48Mbps Incoming Bandwidth
- · Smart Search and Intelligent Video System



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.

The Lite Series is designed for high cost performance and quality. The range offers a great solution for users facing budget constraints who both require quality and performance. And with the adoption of Smart H.265+/H.265, the series improves encoding efficiency, saving on bandwidth/storage costs, and significantly reducing the Total Cost of Ownership (TCO).

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.

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.

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 predetermined 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.



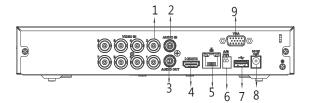
| Technical Specification | | Video Detection and Alarm | |
|---------------------------------|---|---------------------------------------|--|
| System | | Trigger Events | Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips |
| Main Processor | Embedded Processor | Video Detection | Motion Detection, MD Zones: 396 (22 × 18), Video Loss,Tampering and Diagnosis |
| Operating System | Embedded LINUX | Alarm input | N/A |
| Video and Audio | | Relay Output | N/A |
| Analog Camera Input | 8 Channel, BNC | Playback and Back | up |
| HDCVI Camera | 4K, 6MP, 5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps | Playback | 1/4/9 |
| AHD Camera | 5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps | Search Mode | Time /Date, Alarm, MD and Exact Search (accurate to |
| TVI Camera | 5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps | | second) |
| CVBS Camera | PAL/NTSC | Playback Function | Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screer Repeat, Shuffle, Backup Selection, Digital Zoom |
| P Camera Input | 8+4 Channel, each channel up to 8MP | Tray back Full ction | |
| Audio In/Out | 1/1, 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 | 1 SATA Port, up to 10TB capacity |
| Resolution | | eSATA | N/A |
| Resolution | 4K, 6MP, 5MP, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF | Auxiliary Interface | |
| 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 stream:960H(1^15fps); | USB | 2 USB Ports (1 USB 2.0,1 USB 3.0) |
| | | RS232 | N/A |
| | D1/CIF(1~25/30fps) | RS485 | 1 Port, for PTZ Control |
| Bit Rate | 32Kbps ~ 6144Kbps Per Channel | Electrical | |
| Record Mode | Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop | Power Supply | DC12V/2A |
| Record Interval | $1 \sim 60 \text{min}$ (default: 60min), Pre-record: $1 \sim 30 \text{sec}$, Post-record: $10 \sim 300 \text{sec}$ | Power Consumption (without HDD) | <10W |
| Audio Compression | AAC(only for the 1st channel), G.711A, G.711U, PCM | Construction | |
| Audio Sample Rate | 8KHz, 16 bit Per Channel | Dimensions | Compact 1U, 260×236×48mm(10.2"×9.3"×1.9") |
| Audio Bit Rate | 64Kbps Per Channel | Device with PFH101 Rack Mount Tray | 483mmx281mmx56mm (19.0"x11.1"x2.2") |
| Display | | Net Weight (without HDD) | 0.9kg (2.0 lb) |
| Interface | 1 HDMI, 1 VGA | Gross Weight | 1.6kg (3.5 lb) |
| Resolution | HDMI:3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720 | Installation | Desktop installation |
| | | Environmental | |
| Multi-screen Display | When IP extension mode not enabled: 1/4/8/9 When IP extension mode enabled: 1/4/8/9/16 | 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 | | Third-party Suppor | 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, etc.) | Third-party Support Certifications | Sanyo, Sony, Videotec, Vivotek, and more |
| Max. User Access | 128 users | | FCC: Part 15 Subpart B |
| | | | |
| Smart Phone | iPhone, iPad, Android | | CE: CE IVID: EN 60050 1/IEC 60060 1 |
| Smart Phone Interoperability | ONVIF 16.12, CGI Conformant | Certifications | CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50 EN 55024 |

Lite Series | DH-XVR5108HS-4KL-X

| Ordering Information | | | | | |
|----------------------|--------------------|--|--|--|--|
| Туре | Part Number | Description | | | |
| 8 Channel XVR | DH-XVR5108HS-4KL-X | 8 Channel Penta-brid 4K Compact 1U Digital Video Recorder | | | |
| Accessory, optional | DH-PFH101 | Rack Mount Tray | | | |

Rear Panel

DH-XVR5108HS-4KL



Dimensions (mm)









- VIDEO IN 1
- 2 AUDIO IN, RCA Connector
- AUDIO OUT, RCA Connector 3
- HDMI Interface
- Network Interface
- RS485 Interface
- USB Interface
- DC 12V Power Input
- VGA Interface

Installation on Rack Mount Tray

