

DH-XVR5108/16HS-X

8/16 Channel Penta-brid 1080P Compact 1U Digital Video Recorder



- · H.265+/H.265 dual-stream video compression
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- · Max 12/24 channels IP camera inputs, each channel up to 6MP; Max 48/96Mbps 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.

UHD Camera Input

The XVR supports up to 4MP HDCVI camera and 6MP 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.



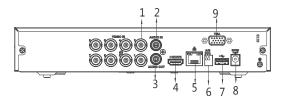
Technical Specification		Video Detection and Alarm		
System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	
Main Processor	Embedded Processor Embedded LINUX	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis	
Operating System	Embedded Linux	Alarm input	N/A	
Video and Audio		Relay Output	N/A	
Analog Camera Input	8/16 Channel, BNC	Playback and Back	sup.	
HDCVI Camera	4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	,	8CH: 1/4/9	
AHD Camera	4MP, 1080P@25/30, 720P@25/30fps	Playback	16CH: 1/4/9/16	
TVI Camera	4MP, 1080P@25/30, 720P@25/30fps	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)	
CVBS Camera	PAL/NTSC			
IP Camera Input	8+4/16+8 Channel, each channel up to 6MP 1/1, RCA	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	
Audio In/Out				
Two-way Talk	Reuse audio in/out, RCA	Backup Mode	USB Device/Network	
Recording		Storage		
Compression	H.265+/H.265/H.264+/H.264	Internal HDD	1 SATA Port, up to 10TB capacity	
Resolution	4M-N, 1080P, 1080N, 720P, 960H, D1, CIF	eSATA	N/A	
Record Rate	Main stream:4M-N/1080P(1~15fps); 1080N/720P/960H/ D1/CIF (1~25/30fps) Sub steram: D1/CIF(1~15fps)	Auxiliary Interface		
		USB	8CH:2 USB 2.0 16CH:1 USB 2.0 , 1 USB 3.0	
Bit Rate	32Kbps ~ 6144Kbps Per Channel	RS232	N/A	
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection:	RS485	1 Port, for PTZ Control	
Record Mode	Motion Detection, Video Loss, Tampering), Alarm, Stop	Electrical		
Record Interval	$1^{\sim}60$ min (default: 60 min), Pre-record: $1^{\sim}30$ sec, Post-record: $10^{\sim}300$ sec	Power Supply	DC12V/2A	
Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM	Power Consumption (without HDD)	8CH:<10W 16CH:<15W	
Audio Sample Rate	8KHz, 16 bit Per Channel	Construction		
Audio Bit Rate	64Kbps Per Channel	Dimensions	Compact 1U, 260×236×48mm(10.2"×9.3"×1.9")	
Display		Net Weight	8CH:1.0kg (2.6 lb)	
Interface	1 HDMI ,1 VGA	(without HDD)	16CH:1.1kg(2.9 lb)	
Resolution	1920×1080, 1280×1024, 1280×720	Gross Weight	8CH:1.6kg (3.5 lb) 16CH:1.7kg(3.7 lb)	
Multi-screen Display	When IP extension mode not enabled: 8CH: 1/4/8/9 16CH: 1/4/8/9/16 When IP extension mode enabled: 8CH: 1/4/8/9/16 16CH: 1/4/8/9/16/25 Camera title, Time, Video loss, Camera lock, Motion detection,	Installation	Desktop installation	
		Environmental		
		Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 10%~ 90% RH	
		Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH	
OSD	Recording	Third-party Suppo	rt	
Network		[·· -]	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, Cl	
Interface	8CH: 1 RJ-45 Port (100M) 16CH: 1 RJ-45 Port (1000M)	Third-party Support	Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more	
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server,	Certifications	FCC Part 1F Cultura 1 P	
	P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.)		FCC: Part 15 Subpart B	
Max. User Access	128 users	Certifications	CE: CE-LVD: EN 60950-1/IEC 60950-1 Certifications CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN	
Smart Phone	iPhone, iPad, Android	EN 55024		
Interoperability	ONVIF 16.12, CGI Conformant		UL: UL 60950-1	

Lite Series | DH-XVR5108/16HS-X

Ordering Information				
Туре	Part Number	Description		
0/46 Channal V0/D	DH-XVR5108HS-X	8 Channel Penta-brid 1080P Compact 1U Digital Video Recorder		
8/16 Channel XVR	DH-XVR5116HS-X	16 Channel Penta-brid 1080P Compact 1U Digital Video Recorder		

Rear Panel

DH-XVR5108HS-X

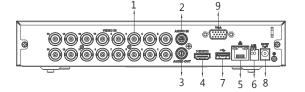


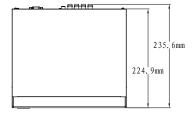
Dimensions (mm)

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

