

# DH-XVR4108HS-X1

# 8 Channel Penta-brid 720P Compact 1U Digital Video Recorder



- · H.265+/H.265 dual-stream video compression
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- · Max 10 channels IP camera inputs, each channel up to 6MP; Max 40Mbps incoming bandwidth
- · Long transmission distance over coax cable
- · Supports 1 SATA HDD, up to 6TB



## **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/IP Auto-detect

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

#### 6MP Resolution

The XVR supports up to 6MP HD resolution (2880  $\times$  1920) IPC input for recording, live viewing.

#### 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 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.

#### Perfect Image Quality

High performance chip provides perfect image quality with better color reproduction.

#### P2P

Monitor at anytime and anywhere. Easily and conveniently mange the device.



Interoperability

ONVIF 16.12, CGI Conformant

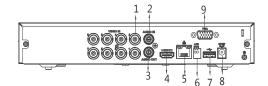
Technical Specification		Video Detection and Alarm	
System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Main Processor	Embedded Processor	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Operating System	Embedded LINUX	Alarm input	N/A
Video and Audio		Relay Output	N/A
Analog Camera Input	8 Channel, BNC	Playback and Back	up
HDCVI Camera	1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback	1/4/9
AHD Camera	1080P@25/30, 720P@25/30fps	ridyback	Time /Date, Alarm, MD and Exact Search (accurate to
TVI Camera	1080P@25/30, 720P@25/30fps	Search Mode	second)
CVBS Camera	PAL/NTSC	Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Scree Repeat, Shuffle, Backup Selection, Digital Zoom
IP Camera Input	8+2, each channel up to 6MP		
Audio In/Out	1/1, RCA	Backup Mode	USB Device/Network
Two-way Talk	Reuse audio in/out, RCA		·
Recording		Storage	
Video Compression	· H.265+/H.265 dual-stream video compression	Internal HDD	1 SATA Port, up to 6TB capacity
Resolution	1080N, 720P, 960H, D1, CIF	eSATA	N/A
Record Rate	Main Stream: the 1st channel 1080N/720P(1~25/30fps), others 1080N/720P(1~15fps); 960H/D1/CIF (1~25/30fps) Sub stream:CIF (1~7fps)	Auxiliary Interface	
		USB	2 USB 2.0
		RS232	N/A
Video Bit Rate	32Kbps ~ 4096Kbps Per Channel	RS485	1 Port, for PTZ Control
That's Bit hate		Electrical	
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop	Power Supply	DC12V/1.2A
Record Interval	$1 \sim 60 $ min (default: $60 $ min), Pre-record: $1 \sim 30 $ sec, Post-record: $10 \sim 300 $ 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	Net Weight (without HDD)	0.9kg ( 2.0lb)
Display		Gross Weight	1.6kg (3.5lb)
Interface	1 HDMI ,1 VGA	Installation	Desktop installation
Resolution	1920×1080, 1280×1024, 1280×720	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 $^{\sim}$ +45°C (+14°F $^{\sim}$ +113°F), up to 55°C/131°F with ca fan, 10 $^{\sim}$ 90% RH
020	Camera title, Time, Video loss, Camera lock, Motion detection,	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH
OSD	Recording	Third-party Suppo	rt
Network	1 RJ-45 Port (100M)	Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, C Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung
			Sanyo, Sony, Videotec, Vivotek, and more
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, SNMP, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.)	Certifications	FCC: Part 15 Subpart B
Max. User Access	128 users	Certifications	CE: CE-LVD: EN 60950-1/IEC 60950-1
Smart Phone	iPhone, iPad, Android		CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50 EN 55024

# Lite Series | DH-XVR4108HS-X1

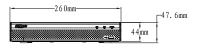
Ordering Information				
Туре	Part Number	Description		
8 Channel XVR	DH-XVR4108HS-X1	8 Channel Penta-brid 720P Compact 1U Digital Video Recorder		

#### **Rear Panel**

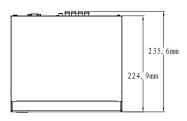
DH-XVR4108HS-X1



# Dimensions (mm)









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

