

## DH-XVR5108/16HS-X

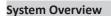
8/16 Channel Penta-brid 1080P Compact 1U Digital Video Recorder



- · H.265+/H.265 dual-stream video compression
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs

 $\cdot$  Max 12/24 channels IP camera inputs, each channel up to 6MP; Max 48/96Mbps Incoming Bandwidth

· Smart Search and Intelligent Video System



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.

#### High Definition Camera Input

The XVR supports up to 5MP 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.



## Lite Series | DH-XVR5108/16HS-X

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	8/16 Channel, BNC	Playback and Back	qu	
HDCVI Camera	5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback	8CH: 1/4/9	
AHD Camera	5MP, 4MP, 1080P@25/30, 720P@25/30fps	гаураск	16CH: 1/4/9/16	
TVI Camera	5MP, 4MP, 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,	
IP Camera Input	8+4/16+8 Channel, each channel up to 6MP	Playback Function	Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom	
Audio In/Out	1/1, RCA	Backup Mode	USB Device/Network	
Two-way Talk	Reuse audio in/out, RCA	Storage		
Recording		Internal HDD	1 SATA Port, up to 10TB capacity	
Compression	H.265+/H.265/H.264+/H.264	eSATA	N/A	
Resolution	5M-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF			
	Main stream:the 1st & 2nd channels 5M-N(1~10fps), other channels 4M-N/1080P(1~15fps); 1080N/720P/960H/ D1/CIF (1~25/30fps)	Auxiliary Interface		
Record Rate		USB	8CH:2 USB 2.0 16CH:1 USB 2.0 , 1 USB 3.0	
	Sub stream: D1/CIF(1~15fps)	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	$1{}^{\sim}60$ min (default: 60 min), Pre-record: $1{}^{\sim}30$ sec, Postrecord: $10{}^{\sim}300$ 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		Device with PFH101	483mmx281mmx56mm (19.0"x11.1"x2.2")	
Interface	1 HDMI ,1 VGA	Rack Mount Tray		
	HDMI: 8CH: 1920×1080, 1280×1024, 1280×720 16CH: 3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720	Net Weight (without HDD)	8CH:1.0kg (2.6 lb) 16CH:1.1kg(2.9 lb)	
Resolution		Gross Weight	8CH:1.6kg (3.5 lb) 16CH:1.7kg(3.7 lb)	
	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	Installation	Desktop installation	
		Environmental		
Multi-screen Display		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	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	Third-party Suppor	t	
Network		Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung,	
Interface	8CH: 1 RJ-45 Port (100M) 16CH: 1 RJ-45 Port (1000M)	Certifications	Sanyo, Sony, Videotec, Vivotek, and more	
Network Function			FCC: Part 15 Subpart B	
May Licer Access	P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.)		CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024	
Max. User Access Smart Phone	128 users iPhone, iPad, Android	Certifications		

### Lite Series | DH-XVR5108/16HS-X

# Ordering Information Type Part Number

**Dimensions (mm)** 

-260mm-

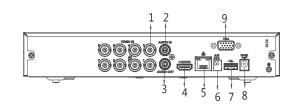
Туре	Part Number	Description	
0/10 Channel W/D	DH-XVR5108HS-X	8 Channel Penta-brid 1080P Compact 1U Digital Video Recorder	
8/16 Channel XVR	DH-XVR5116HS-X	16 Channel Penta-brid 1080P Compact 1U Digital Video Recorder	
Accessory, optional	DH-PFH101	Rack Mount Tray	

\_47.6mm

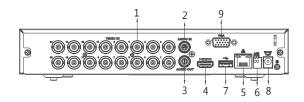
44mm

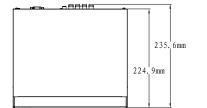
#### **Rear Panel**

DH-XVR5108HS-X



DH-XVR5116HS-X



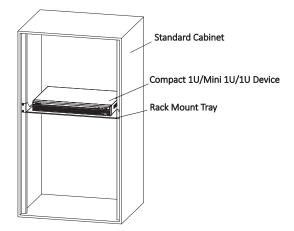




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1	VIDEO IN	6	RS485 Interface
2	AUDIO IN, RCA Connector	7	USB Interface
3	AUDIO OUT, RCA Connector	8	DC 12V Power Input
4	HDMI Interface	9	VGA Interface
5	Network Interface		

#### Installation on Rack Mount Tray





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