

# DH-XVR5104H-4KL-X

4 Channel Penta-brid 4K Mini 1U Digital Video Recorder



- · H.265+/H.265 dual-stream video compression
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- $\cdot$  Max 6 channels IP camera inputs, each channel up to 8MP; Max 24Mbps 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.



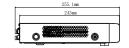
Technical Specification		Video Detection and Alarm	
System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Main Processor	Embedded Processor		Motion Detection, MD Zones: 396 (22 × 18), Video Loss,
Operating System	Embedded LINUX		Tampering and Diagnosis
Video and Audio		Alarm input	N/A
	4.61 1.000	Relay Output	N/A
Analog Camera Input	4 Channel, BNC	Playback and Back	ир
HDCVI Camera	4K, 6MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback	1/4
AHD Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
TVI Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps		Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File,
CVBS Camera	PAL/NTSC	Playback Function	Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
IP Camera Input	4+2 Channel, each channel up to 8MP	Backup Mode	USB Device/Network
Audio In/Out	1/1, RCA	·	obs sevice 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
·	4K, 6MP, 5MP, 4K-N, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1,	Auxiliary Interface	
Resolution	CIF	USB	2 USB Ports (2 USB 2.0)
	Main stream: the 1st channel 4K(1~7fps), 6MP(1~10fps), 5MP(1~12fps), 4MP/3MP(1~15fps), others 4K-N(1~7fps), 4MP/3MP(1~15fps); 4M-N/1080P/720P/960H/D1/CIF (1~25/30fps) Sub steram:960H(1~15fps);	RS232	N/A
Record Rate		RS485	1 Port, for PTZ Control
		Electrical	
	D1/CIF(1~25/30fps)	Power Supply	DC12V/2A
Bit Rate	32Kbps ~ 6144Kbps Per Channel	Power Consumption (without HDD)	<10W
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop	Construction	
Record Interval	$1 \sim 60 $ min (default: 60 min), Pre-record: $1 \sim 30 $ sec, Post-record: $10 \sim 300 $ sec	Dimensions	Mini 1U, 325mm×255mm×55mm (12.8" x 10" x 2.2")
Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM	Net Weight (without HDD)	1.2kg (2.6 lb)
Audio Sample Rate	8KHz, 16 bit Per Channel	Gross Weight	1.8kg (4.0 lb)
Audio Bit Rate	64Kbps Per Channel	Installation	Desktop installation
Display		Environmental	
Interface	1 HDMI, 1 VGA	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 10% ~ 90% RH
Resolution	HDMI:2560×1440, 1920×1080, 1280×1024, 1280×720	Storage Conditions	-20°C ~+70°C (-4°F ~ +158°F) , 0~ 90% RH
Resolution	VGA: 1920×1080, 1280×1024, 1280×720	Third-party Suppor	t
Multi-screen Display	When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6	, ,	
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
Network			carry, sony, viacoted, vivotex, and more
Interface	1 RJ-45 Port (100M)	Certifications	
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.)		FCC: Part 15 Subpart B  CE: CE-LVD: EN 60950-1/IEC 60950-1
Max. User Access	128 users	Certifications	CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024
Smart Phone	iPhone, iPad, Android		UL: UL 60950-1
			12.12.30300 1
Interoperability	ONVIF 16.12, CGI Conformant		

# Lite Series | DH-XVR5104H-4KL-X

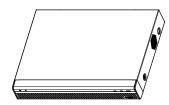
Ordering Information				
Туре	Part Number	Description		
4 Channel XVR	DH-XVR5104H-4KL-X	4 Channel Penta-brid 4K Mini 1U Digital Video Recorder		

# Dimensions (mm)



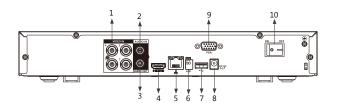






## **Rear Panel**

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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

10

Power Switch

Network Interface

