

DH-XVR5104HS-X1

4 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 6 channels IP camera inputs, each channel up to 6MP; 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.

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.



POS Functionality

This funcion includes POS ticket information overlay and search which can be widely used in retail programs.

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.

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.



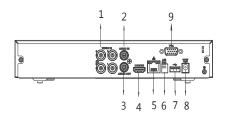
Main Processor Embedded Indus	Technical Specification		Video Detection and Alarm	
Departure Debedded LMUX	System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Marris Imput N/A	Main Processor		Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Wideo and Audio Annalog Camera Input A Channel, BNC Palyback and Backup INCOVICIAmera 566, 448, 1000 PB2/520, 720 PB2/520 Pb 149 Palyback and Backup INC Camera 566, 448, 1000 PB2/520, 720 PB2/520 Pb 149 Palyback and Backup INC Camera 566, 448, 1000 PB2/520, 720 PB2/520 Pb 149 Palyback Function 184 Palyback Function PLANTISC PLANTISC Play, Pause, 500, Pewrid, Fast plus, 500 PBw, Next Tile Palyback Function Play, Pause, 500, Pewrid, Fast plus, 500 PBw, Next Tile Palyback Function POLATISC PLANTISC Play, Pause, 500, Pewrid, Fast plus, 500 PBw, Next Tile Palyback Function Play, Pause, 500, Pewrid, Fast plus, 500 PBw, Next Tile Palyback Function Nov wy rilk Reuse audio in/out, RCA Backup Mode USB Divice/Palyback Function Record Recording Males asserted the statement	Operating System	Embedded LINUX	Alarm input	
Playback and Backup	Video and Audio			
MAY	Analog Camera Input	4 Channel, BNC		ın
Search Mode	HDCVI Camera	5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	•	
Manual See S	AHD Camera	5MP, 4MP, 1080P@25/30, 720P@25/30fps	·	
Pamback Function Province Size, Rest Camera, Full Screet Reports, Smith Lay Selection, Digital Zoom Number of Storage Pamback Function Pam	TVI Camera	5MP, 4MP, 1080P@25/30, 720P@25/30fps	Search Mode	
P. Camera Input	CVBS Camera	PAL/NTSC	District Comption	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screer Repeat, Shuffle, Backup Selection, Digital Zoom
Storage	IP Camera Input	4+2 Channel, each channel up to 6MP	Playback Function	
Storage	Audio In/Out	1/1, RCA	Backup Mode	USB Device/Network
Internal HDD 1 SATA Port, up to 6TB capacity	Two-way Talk	Reuse audio in/out, RCA	Storage	
Second Rate Main streamthe 1st channel SM-N, 4M-N, 1880B, 1080N, 720P, 960H, DI, CIF Auxiliary Interface SM-N, 4M-N, 1880B, 1080N, 720P, 960H, DI, CIF Auxiliary Interface USB 2 USB 2.0 RS232 N/A RS485 1 Port, for PTZ Control SM-N, 4M-N, 1080B, 1080N, 720P, 960H DI, CIF (1-25/30Fs) SUSB 12 USB 2.0 RS232 N/A RS485 1 Port, for PTZ Control SM-N, 4M-N, 1080B, 1080N, 720P, 960H DI, CIF (1-25/30Fs) RS232 N/A RS485 1 Port, for PTZ Control SM-N, 4M-N, 1080B, 1080N, 700P, 960H DI, CIF (1-25/30Fs) RS232 N/A RS485 1 Port, for PTZ Control SM-N, 4M-N, 1080B, 1080N, 700P, 960H DI, CIF (1-25/30Fs) Power Consumption DI, CIF (1-25/30Fs) Power Consumption CIP (1-25/30Fs) CIP (1-25/30F	Recording		<u> </u>	
Resolution SM-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, GIF Main stream:the 1st channel 5M-N(1=10fps), other channels Auxiliary Interface USB 2USB 2.0 Auxiliary Interface USB 2USB 2.0 N/A SS232	Compression	H.265+/H.265/H.264+/H.264		
Main streamthe 1st channel 5M-N(1-10/ps), other channels 10/58 2 USB 2.0		5M-N 4M-N 1080P 1080N 720P 960H D1 CIE	eSATA	N/A
### AM-M/JOSP(F1-5f)spk; 1080N/720P/960H/ DI/LEF (F2/530F)s Sub stream: DI/LEF (F2/50F)s Sub stream: DI/	Resolution		Auxiliary Interface	
Sub stream: DIZCIE(T-15fps) Bit Rate 32kbps ~ 6144kbps Per Channel Record Mode Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Power Supply DC12V/1.5A Power Consumption (without HDD) AC(only for the 1st channel), G.711A, G.711U, PCM Audio Sample Rate 8KHz, 16 bit Per Channel Bit Rate 64kbps Per Channel Dimensions Compact 1U, 260×236×48mm(10.2"×9.3"×1.9") Audio Bit Rate 64kbps Per Channel Dimensions Compact 1U, 260×236×48mm(10.2"×9.3"×1.9") Audio Sample Rate Audio Bit Rate 64kbps Per Channel Dimensions Compact 1U, 260×236×48mm(10.2"×9.3"×1.9") Audio Tiray Audio Tiray Net Weight (without HDD) O.9kg (2.0 lb) Gross Weight 1.6kg (3.5 lb) Installation Desktop installation Environmental Operating Conditions Power Supply Construction AC(only for the 1st channel), G.711A, G.711U, PCM Construction Dimensions Compact 1U, 260×236×48mm(10.2"×9.3"×1.9") 483mmx281mmx56mm (19.0"x11.1"x2.2") Alam mx281mmx56mm (19.0"x11.1"x2.2") Net Weight (without HDD) O.9kg (2.0 lb) Gross Weight 1.6kg (3.5 lb) Installation Desktop installation Environmental Operating Conditions Compact 1U, 260×236×48mm(10.2"×9.3"×1.9") Audio Sampa Rate Audio Sampa Rate Audio Sample Rate Audio Sampl	Record Rate	4M-N/1080P(1~15fps); 1080N/720P/960H/	USB	2 USB 2.0
Bit Rate 32kbps ~6144kbps Per Channel Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Power Supply DC12VJ1.5A Record Interval 1~60 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~30 sec, Po				
Manual, Schedule (General, Continuous), MD (Video detection) Motion Detection, Video Loss, Tampering), Alarm, Stop Power Supply DC12V/1.5A Power Consumption (without HDD) Audio Compression AAC(only for the 1st channel), G.711A, G.711U, PCM Construction Dimensions Compact 1U, 260×236×48mm(10.2"×9.3"×1.9") Audio Sample Rate Audio Bit Rate 64Kbps Per Channel Display Interface 1 HDMI, 1 VGA Resolution 1920×1080, 1280×1024, 1280×720 Gross Weight When IP extension mode not enabled: 1/4 When IP extension mode not enabled: 1/4/6 OSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Interface 1 RI-45 Port (100M) HTTP, HTTP, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, SNMP, UPP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPP0E, DDNS, FTP, Alarm Server, P2P, P Search (Supports Dahua IP camera, DVR, NVS etc.) Max. User Access 128 users Certifications Power Supply DC12V/1.5A Power Consumption (without HDD) 100W **COOSTUCKION Construction Dimensions Compact 1U, 260×236×48mm(10.2"×9.3"×1.9") A83mmx281mmx281mmx56mm (19.0"x11.1"x2.2") A83mmx281mmx261mmx56mm (19.0"x11.1"x2.2") A83mmx281mmx56mm (19.0"x11.1"x2.2") A83mmx281mmx56mm (19.0"x11.1"x2.2") A83mmx281mmx56mm (19.0"x11.1"x2.2") A84mmx281mmx56mm (19.0"x11.1"x2.2") A85mmx281mmx56mm (19.0"x11.1"x2.2") A85mmx281mmx	Bit Rate	32Kbps ~ 6144Kbps Per Channel	RS485	1 Port, for PTZ Control
Record Interval 1.~60 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec Audio Compression AAC(only for the 1st channel), G-711A, G-711U, PCM 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 Display Interface 1 HDMI, 1 VGA Resolution 1920×1080, 1280×1024, 1280×720 When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6 DSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Interface 1 RJ-45 Port (100M) HTTP, HTTPS, TCP/IP, IPV4/IPV6, Wi-Fi, 3G/4G, SNMP, UPPP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPP6, DONS, FTP, Alms Server, P2P, IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Max. User Access 128 users Certifications Power Consumption (without HDD) Construction Dimensions Compact 1U, 260×236×48mm(10.2"×9.3"×1.9") A83mmx281mmx26mm(19.0"×11.1"x2.2") A83mmx281mmx56mm (19.0"×11.1"x2.2") Net Weight (without HDD) O9kg (2.01b) Gross Weight 1.6kg (3.5 lb) Installation Desktop installation Desktop installation Desktop installation Desktop installation Desktop installation Third-party Support Storage Conditions 2.0"C ~ 45"C (+14"F ~ + 113"F), up to 55"C/131"F with critical fam, 10" 90 MR H Third-party Support Third-party Support Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canno,	Record Mode			DC12V/1 FA
Audio Compression AAC(only for the 1st channel), G.711A, G.711U, PCM Audio Sample Rate AC(only for the 1st channel), G.711A, G.711U, PCM Audio Sample Rate AC(only for the 1st channel) Audio Sample Rate Action Sample Rate			.,,	DC12V/1.5A
Audio Sample Rate Audio Sample Rate Audio Sample Rate Audio Bit Rate 64Kbps Per Channel Device with PFH101 Rack Mount Tray Net Weight (without HDD) Audio Bit Rate 1 HDMI ,1 VGA Resolution 1920×1080, 1280×1024, 1280×720 Multi-screen Display When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6 DoSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording NetWork Network Interface 1 RJ-45 Port (100M) HTTP, HTTPS, TCP/IP, IPVA/IPV6, Wi-Fi, 3G/AG, SNMP, UPPP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, PZP, IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Max. User Access 128 users Certifications Compact 1U, 260×236×48mm(10.2"×9.3"×1.9") A83mmx281mmx56mm (19.0"×11.1"x2.2") A83mmx281mmx56mm (19.0"×11.1"x2.2") Net Weight (without HDD) O.9kg (2.0 lb) Installation Desktop installation Environmental Operating Conditions -10°C~+45°C (+14°F~+113°F), up to 55°C/131°F with cate fan, 10°90% RH Third-party Support Third-party Support Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, Cano	Record Interval		·	<10W
Audio Bit Rate Device with PFH101 Rack Mount Tray Net Weight (without HDD) O.9kg (2.0 lb) Multi-screen Display Methous Pextension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6 DSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Interface 1 RJ-45 Port (100M) HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, SNMP, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPP0E, DDNS, FTP, Alarm Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Max. User Access 128 users Device with PFH101 Rack Mount Tray Alam Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Device with PFH101 Rack Mount Tray Alam Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Device with PFH101 Rack Mount Tray Alam Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Device with PFH101 Rack Mount Tray Alam Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Device with PFH101 Rack Mount Tray Net Weight (without HDD) O.9kg (2.0 lb) Installation Desktop installation Environmental Operating Conditions -10°C ~ 45°C (+14°F ~ +113°F), up to 55°C/131°F with cannot be possible to the possible title of the possible title of the possible title of the possible title of the party Support Third-party Support Third-party Support Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, C	Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM	Construction	
Display Interface 1 HDMI,1 VGA Resolution 1920×1080, 1280×1024, 1280×720 Gross Weight 1.6kg (3.5 lb) Multi-screen Display When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6 DSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Power of the Company of the	Audio Sample Rate	8KHz, 16 bit Per Channel	Dimensions	Compact 1U, 260×236×48mm(10.2"×9.3"×1.9")
Net Weight (without HDD) Resolution 1920×1080, 1280×1024, 1280×720 Multi-screen Display When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6 DSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Interface 1 RJ-45 Port (100M) HTTP, HTTPS, TcP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, SNMP, UPnP, Alarm Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Max. User Access 128 users Certifications NetWork Interoperability Network interporability Network interporation inte	Audio Bit Rate	64Kbps Per Channel		483mmx281mmx56mm (19.0"x11.1"x2.2")
Resolution 1920×1080, 1280×1024, 1280×720 Gross Weight 1.6kg (3.5 lb) Multi-screen Display When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6 DSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Poperating Conditions Coperating Conditions Poperating Conditions Coperating Conditions Poperating Conditions Coperating Conditions Poperating Conditions Coperating Conditions Poperating Condi	' '	4.00.0.4.00	Net Weight	0.9kg (2.0 lh)
Multi-screen Display When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6 DSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Interface 1 RJ-45 Port (100M) 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.) Max. User Access 128 users Certifications Tocc: Part 15 Subpart B Certifications		·	(without HDD)	0.5Kg (2.0 lb)
When IP extension mode enabled: 1/4/6 Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Interface 1 RJ-45 Port (100M) HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, SNMP, UPnP, RTSP, Upp, SMTP, NTP, DHCP, DNS, IP Filter, PPP0E, DDNS, FTP, Alarm Server, P2P, IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Max. User Access 128 users Certifications Environmental Operating Conditions -10°C ~ +45°C (+14°F ~ +113°F), up to 55°C/131°F with careful fan, 10~ 90% RH Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH Third-party Support Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, Ca	Resolution	1920×1080, 1280×1024, 1280×720	Gross Weight	1.6kg (3.5 lb)
Camera title, Time, Video loss, Camera lock, Motion detection, Recording Network Network Interface 1 RJ-45 Port (100M) HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, SNMP, UPnP, Alarm Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Max. User Access 128 users Certifications	Multi-screen Display			Desktop installation
Network Interface 1 RJ-45 Port (100M) HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, SNMP, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPP0E, DDNS, FTP, Alarm Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Max. User Access 128 users Certifications Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon,	OSD			-10°C ~ +45°C (+14°F ~ +113°F), up to 55°C/131°F with ca
Interface 1 RJ-45 Port (100M) 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.) Max. User Access 128 users Certifications Certifications Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, C Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung Sanyo, Sony, Videotec, Vivotek, and more Certifications FCC: Part 15 Subpart B Certifications Certifications Certifications	Network		Operating Conditions	
Network Function HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, SNMP, UPnP, RTSP, UDP, SMTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.) Third-party Support Third-party Support Third-party Support Certifications Certifications Third-party Support Third-party Support Third-party Support Certifications Certifications Certifications CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50	Interface	1 RJ-45 Port (100M)		
Example 1 Phone, iPad, Android 5 FCC: Part 15 Subpart B FCC: Part 15	Network Function	RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, P2P, IP Search (Supports Dahua IP camera, DVR,		Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, Cl Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung,
Smart Phone iPhone, iPad, Android FCC: Part 15 Subpart B Interoperability ONVIF 16.12, CGI Conformant CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50	Max. User Access	128 users	Certifications	
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	Smart Phone	iPhone, iPad, Android		FCC: Part 15 Subpart B
	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

Lite Series | DH-XVR5104HS-X1

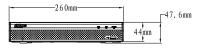
Ordering Information					
Туре	Part Number	Description			
4 Channel XVR	DH-XVR5104HS-X1	4 Channel Penta-brid 1080P Compact 1U Digital Video Recorder			
Accessory, optional	DH-PFH101	Rack Mount Tray			

Rear Panel

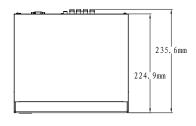
DH-XVR5104HS-X1



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

Installation on Rack Mount Tray

