



8/16 Channel Penta-brid 1080P Mini 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.

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 pre-determined 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.





Interoperability

ONVIF 16.12, CGI Conformant

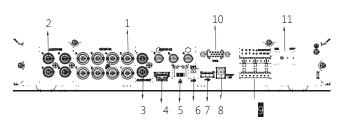
Technical Specific	ation	Video Detection ar	nd Alarm
System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Main Processor	Embedded Processor	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Operating System	Embedded LINUX	Alarm input	8/16
Video and Audio		Relay Output	3
Analog Camera Input 8/16 Channel, BNC		Playback and Backup	
HDCVI Camera	5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback	8CH: 1/4/9 16CH: 1/4/9/16
AHD Camera	5MP, 4MP, 1080P@25/30, 720P@25/30fps	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to
TVI Camera	5MP, 4MP, 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 Screen Repeat, Shuffle, Backup Selection, Digital Zoom
IP Camera Input	8+4/16+8 Channel, each channel up to 6MP		
Audio In/Out	8/16 Channel input,1 Channel output, 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	Auxiliary Interface	
Record Rate	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) Sub stream: D1/CIF(1~15fps)	USB	8CH:2 USB 2.0 16CH:1 USB 2.0 , 1 USB 3.0
		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 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-	Power Supply	DC12V/2A
	record: 10 ~ 300 sec	Power Consumption (without HDD)	8CH:<10W 16CH:<15W
Audio Compression Audio Sample Rate	AAC(only for the 1st channel), G.711A, G.711U, PCM 8KHz, 16 bit Per Channel	Construction	
Audio Bit Rate	64Kbps Per Channel	Dimensions	Mini 1U, 325mm×255mm×55mm (12.8" x 10" x 2.2")
		Device with PFH101	
Display Interface	1 HDML 1 VCA	Rack Mount Tray	483mmx281mmx56mm (19.0"x11.1"x2.2")
Resolution	1 HDMI ,1 VGA 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:1.2kg (2.6 lb) 16CH:1.3kg(2.9 lb)
		Gross Weight	8CH:1.9kg (4.2 lb) 16CH:2.2kg(4.9 lb)
	When IP extension mode not enabled:	Installation	Desktop installation
Multi-screen Display	8CH: 1/4/8/9 16CH: 1/4/8/9/16	Environmental	
	When IP extension mode enabled: 8CH: 1/4/8/9/16	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 10%~ 90% RH
	16CH: 1/4/8/9/16/25 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 Suppor	rt
Network	8CH: 1 RJ-45 Port (100M)	Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung
Interface	16CH: 1 RJ-45 Port (100M)	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, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.)	Certifications	FCC: Part 15 Subpart B
Max. User Access	128 users		CE: CE-LVD: EN 60950-1/IEC 60950-1
Smart Phone	iPhone, iPad, Android	Certifications	CE- EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024

UL: UL 60950-1

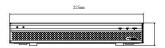


Rear Panel

8CH:

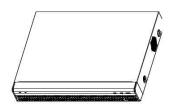


Dimensions (mm)





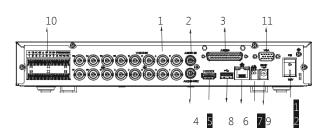




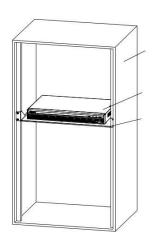
- VIDEO IN
- 2 AUDIO IN, RCA Connector
- AUDIO OUT, RCA Connector
- HDMI Interface
- Network Interface
- 6 RS485 Interface

- 7 USB Interface
- 8 DC12V Power Input
- 9 ALARM IN / OUT
- 10 VGA Interface
- 11 Power Switch

16CH:



Installation on Rack Mount Tray



- 1 VIDEO IN
- AUDIO IN, RCA Connector
- 3 AUDIO IN
- AUDIO OUT
- HDMI Interface Network Interface
- RS485 Interface
- 8 USB Interface
- 9 DC12V Power Input
- 10 ALARM IN / OUT
- 11 VGA Interface
- 12 Power Switch