

# XVR501H-16-X

16 Channel Penta-brid 1080P Mini 1U Digital Video Recorder



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).



## MODEL(S) AVAILABLE

XVR501H-16-X

## KEY FEATURES

- ▶ H.265+/H.265 dual-stream video compression
- ▶ Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- ▶ Max 24 channels IP camera inputs, each channel up to 6MP; Max 96 Mbps incoming bandwidth
- ▶ Smart Search and Intelligent Video System

## Product Specifications

System	
Main Processor	Industrial-grade processor
Operating System	Embedded LINUX

Video and Audio	
Analog Camera Input	16 BNC ports
HDCVI Camera Input	5MP, 4MP, 1080P @ 25/30 fps, 720P @ 50/60 fps, 720P @ 25/30 fps
AHD Camera	5MP, 4MP, 1080P @ 25/30, 720P @ 25/30 fps
TVI Camera	5MP, 4MP, 1080P @ 25/30, 720P @ 25/30 fps
CVBS Camera	PAL/NTSC
IP Camera Input	16+8 Channel, each channel up to 6MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuse audio in/out, RCA

Recording	
Compression	H.265+ / H.265 / H.264+ / H.264
Resolution	5M-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF
Record Rate	<b>Main stream:</b> the 1st & 2nd channels 5M-N (1~10 fps), other channels 4M-N / 1080P (1~15 fps); 1080N / 720P / 960H / D1 / CIF (1~25/30 fps) <b>Sub stream:</b> D1 / CIF (1~15 fps)
Bit Rate	32 Kbps ~ 6144 Kbps Per Channel
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
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	8 KHz, 16 bit Per Channel
Audio Bit Rate	64 Kbps Per Channel

Display	
Interface	1 HDMI, 1 VGA
Resolution	HDMI: 3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
Multi-screen Display	When IP extension mode not enabled: 1/4/8/9/16 When IP extension mode enabled: 1/4/8/9/16/25
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Network	
Interface	1 RJ-45 port (10/100/1000 Mbps)
Network Protocol	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.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 16.12, CGI Conformant

Video Detection and Alarm	
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Alarm input	N/A
Relay Output	N/A

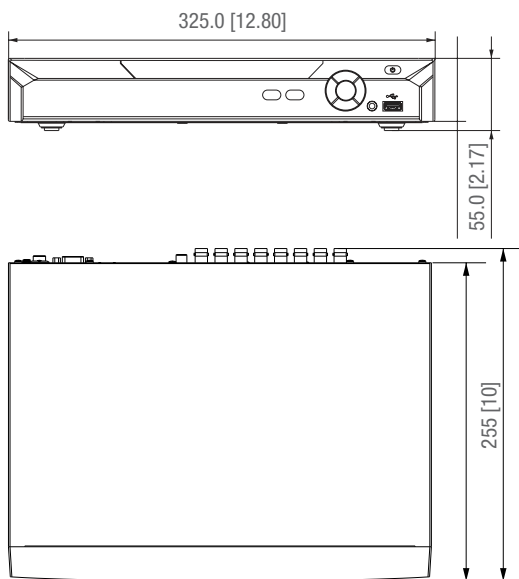
Playback and Backup	
Playback	1/4/9/16
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

Storage	
Internal HDD	1 SATA port, up to 10TB capacity
eSATA	N/A

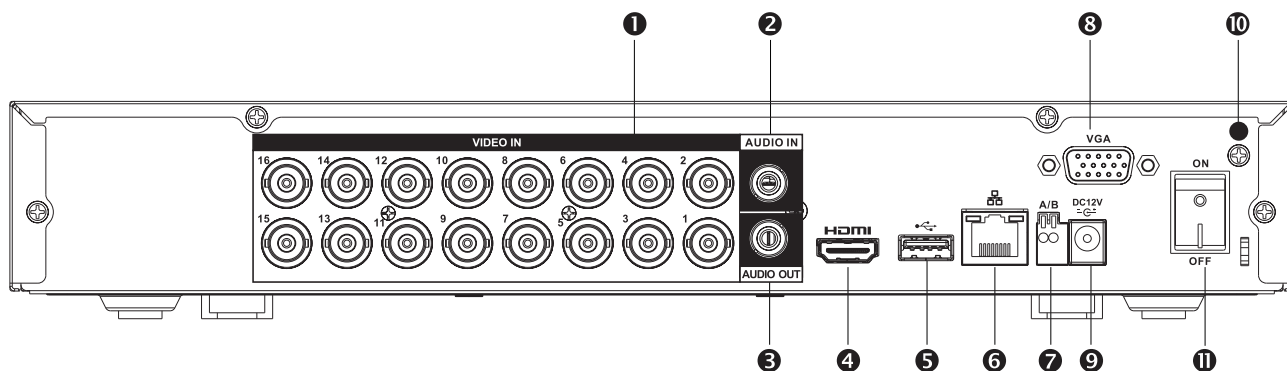
Auxiliary Interface	
USB	1 USB 2.0, 1 USB 3.0
RS232	N/A
RS485	1 Port, for PTZ Control

General	
Power Supply	DC12V / 2A
Power Consumption	< 15W (without HDD)
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), < 90% RH
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), < 90% RH
Dimensions	Mini 1U, 325 mm × 255 mm × 55 mm (12.8" × 10" × 2.2")
Net Weight	1300 g (2.9 lb)
Gross Weight	2000 g (4.4 lb)
Installation	Desktop installation
Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
Certifications	FCC: Part 15 Subpart B 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 UL: UL 60950-1

Product Dimensions ( mm [inch] )



Rear Panel			
❶	Video in	❷	RS485 interface
❷	Audio in, RCA connector	❸	VGA
❸	Audio out, RCA connector	❹	12 V DC Power Input
❹	HDMI interface	❺	Ground
❺	USB interface	❻	Power switch
❻	Network interface		



**Plainview, NY**  
 50 Commercial St., Plainview, NY 11803  
 Tel: 516-870-3779

**Downtown LA, CA**  
 1113 Venice Blvd., Los Angeles, CA 90015  
 Tel: 213-218-2260

**Miami, FL**  
 1604 NW 84 Ave., Doral, FL 33126  
 Tel: 786-410-6777

**College Point, NY**  
 129-04 14th Ave., College Point, NY 11356  
 Tel: 718-939-2710

**San Francisco, CA**  
 41324 Christy St., San Francisco, CA 94538  
 Tel: 510-584-9007

**Chicago, IL**  
 873 Cambridge Dr., Elk Grove Village, IL 60007  
 Tel: 847-584-2227

**Brooklyn, NY**  
 9017 5th Ave., Brooklyn, NY 11209  
 Tel: 347-507-5533

**Houston, TX**  
 1720 Townhurst Dr., Houston, TX 77043  
 Tel: 430-702-0999

**City of Industry, CA**  
 525 Parriott Pl., City of Industry, CA 91745  
 Tel: 626-961-8999

**Dallas, TX**  
 12901 Valley Branch Ln., Farmers Branch, TX 75234  
 Tel: 972-996-1600