

WVR025X-X

16 Channel Penta-brid 720P Compact



- H.265 video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 18 channels IP camera inputs, each channel up to 6MP; Max 72Mbps Incoming Bandwidth
- Long transmission distance over coax cable
- Supports 1 SATA HDD, up to 10TB



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

H.265 Video Compression

Newly added H.265 video compression ensures the same image quality with only half bitrate and storage compared to H.264.

HDCVI/AHD/TVI/CVBS/IP Auto-detect

The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

6MP Resolution

The XVR supports up to 6MP HD resolution (2880 x 1920) IPC input for recording, live viewing.

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.

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.

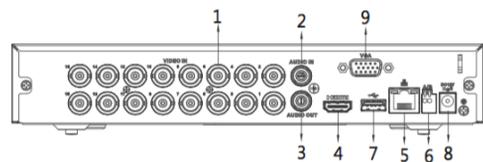
Perfect Image Quality

High performance chip provides perfect image quality with better color reproduction.

P2P

Monitor at anytime and anywhere. Easily and conveniently manage the device.

Rear Panel



- | | |
|----------------------------|----------------------|
| 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 | |



Technical Specification

System

Main Processor Embedded Processor

Operating System Embedded LINUX

Video and Audio

Analog Camera Input 16 Channel, BNC

HDCVI Camera 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps

AHD Camera 1080P@25/30, 720P@25/30fps

TVI Camera 1080P@25/30, 720P@25/30fps

CVBS Camera PAL/NTSC

IP Camera Input 16+2: each channel up to 6MP

Audio In/Out 1/1, RCA

Two-way Talk Reuse audio in/out, RCA

Recording

Video Compression H.265/H.264+/H.264

Resolution 1080N, 720P, 960H, D1, CIF

Record Rate Main Stream:
the 1st channel 1080N/720P(1~25/30fps), others
1080N/720P(1~15fps);
960H/D1/CIF (1~25/30fps)
Sub stream:CIF (1~7fps)

Video Bit Rate 32Kbps ~ 4096Kbps 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 8KHz, 16 bit Per Channel

Audio Bit Rate 64Kbps Per Channel

Display

Interface 1 HDMI ,1 VGA

Resolution 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 (100M)

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.)

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 2 USB 2.0

RS232 N/A

RS485 1 Port, for PTZ Control

Electrical

Power Supply DC12V/2A

Power Consumption (without HDD) <10W

Construction

Dimensions Compact 1U, 260×236×48mm(10.2"×9.3"×1.9")

Net Weight (without HDD) 1.0kg (2.2lb)

Gross Weight 1.7kg (3.7lb)

Installation Desktop installation

Environmental

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

Third-party Support

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

Certifications 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