

NVR-P32/16P-4VA



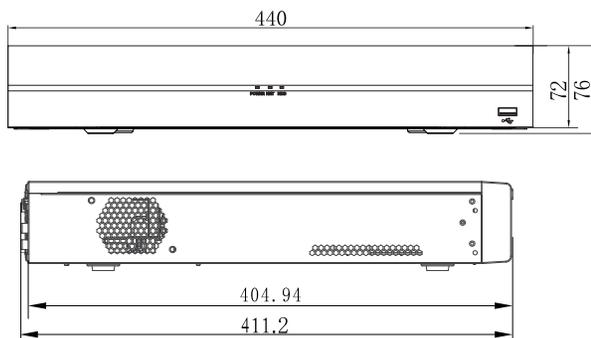
32 Channel 1.5U 16PoE 4K&H.265 Lite Network Video Recorder



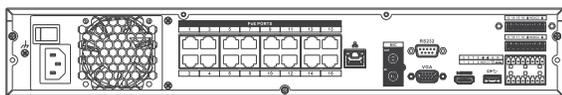
Features

- H.265/H.264 codec decoding
- Max 200Mbps Incoming Bandwidth
- Up to 8MP Resolution for Preview and Playback
- Up to 2ch@4K/8ch@1080P decoding
- HDMI/VGA simultaneous video output
- Support IPC UPnP, 16PoE ports

Dimensions(mm)



Rear Panel



System Overview

This NVR is introduced as the first Lite series NVR that supports for 4K and H.265 encoding technology with excellent performance at an affordable price. For applications where image details are highly required, it delivers the capability of 4K resolution processing. The NVR can be served as edge storage, central storage or

backup storage with an intuitive shortcut operation menu for remote management and control.

Due to its cost-effective and easy-to-install design, this NVR is ideal for a wide range of applications such as public safety, water conservancy, transportation, city centers, education, and financial institutions.

The NVR is compatible with numerous third-party devices making it the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with IP cameras.

Functions

4K Resolution

The NVR supports 4K ultra HD resolution (3840 x 2160) for recording, live viewing and playback.

High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

Intelligent Video System (Optional)

Working with built-in intelligent video analytics IP cameras, the NVR has the ability to detect and analyze moving objects for improved video surveillance. The NVR 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, People Counting, ideal for business intelligence, and Face Detection, for searching or identification of individuals.

ANR (Automatic Network Replenishment Technology)

Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to NVR and then recorded in it.

NVR-P32/16P-4VA



Technical Specification

System

| | |
|------------------|------------------------------|
| Main Processor | Quad-core embedded processor |
| Operating System | Embedded LINUX |

Audio and Video

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|-----------------|--|
| IP Camera Input | 32 Channel |
| Two-way Talk | 1 Channel Input, 1 Channel Output, RCA |

Display

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|----------------------|--|
| Interface | 1 HDMI, 1 VGA |
| Resolution | HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720 |
| Decoding Capacity | 2ch@4K 30fps, 8ch@1080P 30fps |
| Multi-screen Display | 32CH: 1/4/8/9/16/25/36 |
| OSD | Camera title, Time, Camera lock, Motion detection, Recording |

Recording

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|-----------------|---|
| Compression | H.265/ H.264 |
| Resolution | 8Mp/ 6Mp/ 5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc. |
| Record Rate | 200Mbps |
| Bit Rate | 16Kbps ~ 20Mbps Per Channel |
| Record Mode | Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Tampering, Video Loss), Stop |
| Record Interval | 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec |

Video Detection and Alarm

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|-----------------|---|
| Trigger Events | Recording, PTZ, Tour, Video Push, Email, Snapshot, Buzzer and Screen Tips |
| Video Detection | Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering |
| Alarm input | 16 Channel |
| Relay Output | 4 Channel |

Playback and Backup

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

Third-party Support

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|---------------------|---|
| Third-party Support | Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more |
|---------------------|---|

Network

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|------------------|--|
| Interface | 1 RJ-45 Port(10/100/1000Mbps) |
| PoE | 16 ports (IEEE802.3af/at) |
| Network Function | HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, SNMP, IP Search (Support Dahua IP camera, DVR, NVS, etc.), Easy4ip |
| Max. User Access | 128 users |
| Smart Phone | iPhone, iPad, Android |
| Interoperability | ONVIF 2.4, SDK, CGI |

Storage

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|--------------|--|
| Internal HDD | 4 SATA III Ports, Up to 6 TB capacity for each HDD |
| HDD Mode | Single |

Auxiliary Interface

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|-------|---|
| USB | 2 ports(1 USB2.0, 1 USB3.0) |
| RS232 | 1 Port, for PC Communication and Keyboard |
| RS485 | 1 Port, for PTZ Control |

Electrical

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|-------------------|--|
| Power Supply | AC100V ~ 240V, 50 ~ 60 Hz |
| Power Consumption | NVR: <13.7W (Without HDD) PoE: Max 25.5w for single port, 150w in total |

Environmental

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|----------------------|---|
| Operating Conditions | -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa |
| Storage Conditions | -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH |

Construction

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|--------------|---|
| Dimensions | 1.5U, 440mm×411.1mm×76mm (17.3" x 16.2" x 3.0") |
| Net Weight | 4.7kg (10.4lb) (without HDD) |
| Gross Weight | 7.5kg(16.5 lb)(without HDD) |

Certifications

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|-----|--|
| CE | EN55032, EN55024, EN50130-4, EN60950-1 |
| FCC | Part 15 Subpart B, ANSI C63.4-2014 |
| UL | UL60950-1 |