# 4N-NVR32H4-P16
32CH 4HDD 16CH PoE NVR

## Product Overview

The 4NSYS 32-Channel Network Video Recorder (NVR) is a high-performance video management device designed for professional surveillance systems. It supports up to 32 IP camera channels with powerful decoding capability and intelligent analytics functions. With support for AI-based face recognition, people counting, perimeter protection, and VCA event linkage, the 4NSYS NVR ensures comprehensive security monitoring for commercial, industrial, and municipal applications. Dual Gigabit network ports, RAID storage,and multiple HDMI/VGA outputs make it ideal for large-scale, high-reliability installations.
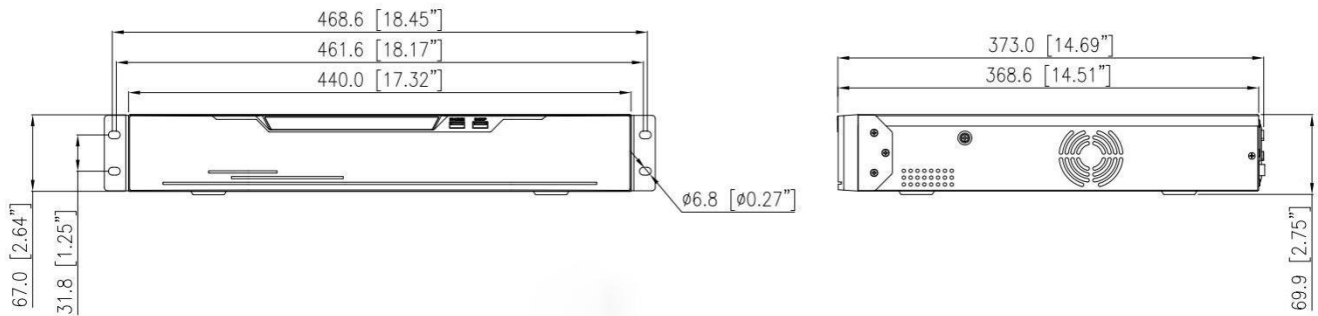
## Key Features

- Up to 32-ch IP cameras access

- Up to 320 Mbps incoming/outgoing bandwidth

- Support face recognition and multi-objective recognition

- Supports some specialist cameras, including people counting camera, ANPR camera, fisheye camera, panoramic camera and thermal camera

- Support fisheye Dewarping and VCA alarm linkage

- Up to 4-ch perimeter protection

- Support Encode H.264 , H.265 , MJPEG

- 2 × RJ45 1000M network interface, Plug & Play with 16 PoE interface

- Support 2 HDMI and 1 VGA interface

- Support RAID 0/1/5/6/10

- Live View and Playback through Network Connection

# Specification

| Video Input | |
| --- | --- |
| IP Camera Input | 32 Channel |
| Incoming Bandwidth | 320Mbps |
| Outgoing Bandwidth | 320Mbps |

| Video Output | |
| --- | --- |
| HDMI 1 Output | 3840 × 2160, 1920 × 1080, 1280 × 1024, 1024 × 768 |
| HDMI 2 Output | 1920 × 1080, 1280 × 1024, 1024 × 768 |
| VGA Output | 1920 × 1080, 1280 × 1024, 1024 × 768 |
| Different Source Output | Supported |
| Decoding Capacity | 1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch D1 |
| Dual Stream | Supported |
| Multi-screen Display | Default Mode (Mirrored): 1/4/8/9/16/32/36<br>Auxiliary Screen Mode:<br>- Main Screen: 1/4/8/9/16<br>- Auxiliary Screen: 1/4/8/9/16 |

| AI Recognition | |
| --- | --- |
| Face Comparison | Real-time captured and display faces comparison results (stranger, channel, similarity) |
| Multi-objective | Real-time captured and display vehicle, human body, non-motor vehicle, license plates image |
| Smart Search | Time, Properties, Pictures, License plate |
| Trigger Events | Buzzer, Alarm push, Email, Alarm Out, Compare the result simultaneously, etc. |

| Recoding | |
| --- | --- |
| Resolution | 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc. |
| Recording Mode | Manual, Schedule (Regular, Continuous), Event |
| Encode | H.264 , H.265 , MJPEG |
| Trigger Events | Motion Detection, Video Loss, Alarm in, IVS |

| Playback and Backup | |
| --- | --- |
| Sync Playback | 16/9/4/1 |
| Search Mode | Time /Date, Alarm, Picture grid, Event |
| Backup Mode | USB Device, Network, eSATA |

| Alarm | |
| --- | --- |
| General Alarm | Motion Detection, Video Loss, Alarm in, Alarm out |
| Intelligent Analysis (By Camera) | Smoking Detection, Smoke and Fire Detection, Fire Spot Detection, Intrusion, Single Line Crossing, Double Line Crossing, Loitering, Wrong-way, Illegal Parking, People Counting, Smart motion detection, Enter Area, Leave Area, etc. |
| Abnormal Alarm | Disk Alarm, IP Address Conflict, Network Disconnect |
| Intelligent Analysis (By NVR) | 4-ch intrusion detection, support the accurate detection of human and vehicle |
| Event Action | Buzzer, Push message to APP, Full screen, Email, FTP, PTZ, Alarm output, Recording |

| Network | |
|---|---|
| Network Protocol | HTTP, HTTPS, TCP/IP, IPv4, IPv6, UPnP, UDP, RTSP, SMTP, NTP, DNS, DHCP, FTP, P2P, IP Filter, DDNS, 802.1X, SNMP, 3G/4G, PPPoE |
| Remote Users | 8 users |
| P2P | P2P, Web NAT |
| Interoperability | ONVIF, SDK, CGI, NDAA |

| Storage | |
|---|---|
| ANR | Supported |
| Disk Group | Supported |
| RAID | RAID 0, RAID 1, RAID 5, RAID 6, RAID 10 |

| Interface | |
|---|---|
| HDD Interface | 4 SATA interfaces, up to 16TB capacity for each disk |
| Network Interface | 2 × RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port |
| PoE Interface | 16 ports, 10/100Mbps, 802.3af/at, max 140W |
| eSATA | 1 eSATA Interface |
| HDMI | 2 |
| VGA | 1 |
| Audio In/Out | 1/1 |
| Alarm In/Out | 6/2 |
| USB Interface | Front panel: 2 × USB 2.0, Rear panel: 1 × USB 3.0 |
| RS-485 Interface | 1 |
| RS-232 Interface | 1 |
| Reset Button | On-board reset button |

| General | |
|---|---|
| Power Supply | 100 to 240VAC |
| Power Consumption | < 15 W (without HDD) |
| Operating Conditions | -10 °C to 50 °C (14 °F to 122 °F) |
| Storage Conditions | Less than 90% RH |
| Certifications | CE /FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) |
| Dimensions | 440 × 373 × 69.9 mm (17.32 × 14.69 × 2.75 inch) |
| Net Weight | 4.8kg (10.58lb) without HDD |

# Dimensions (mm)

468.6 [18.45"]
461.6 [18.17"]
440.0 [17.32"]

ø6.8 [ø0.27"]

67.0 [2.64"]
31.8 [1.25"]

373.0 [14.69"]
368.6 [14.51"]

69.9 [2.75"]

# Rear Panel

POE PORTS  1 3 5 7 9 11 13 15  2 4 6 8 10 12 14 16

AUDIO OUT IN

eSATA

LAN  WAN

RS232

VGA

HDMI 2  HDMI 1

USB 3.0

ALARM I/O  RS485

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