# Network Video Recorder

## NVR301-B-P-IQ Series



## Features

● Support Ultra 265/H.265/H.264 video formats

● 4/8-channel input

● Plug & Play with 4/8 independent PoE network interfaces

● Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T ) and RTSP protocols

● Support HDMI and VGA simultaneous output

● Up to 12 Megapixels resolution recording

● ANR technology to enhance the storage reliability when the network is disconnected
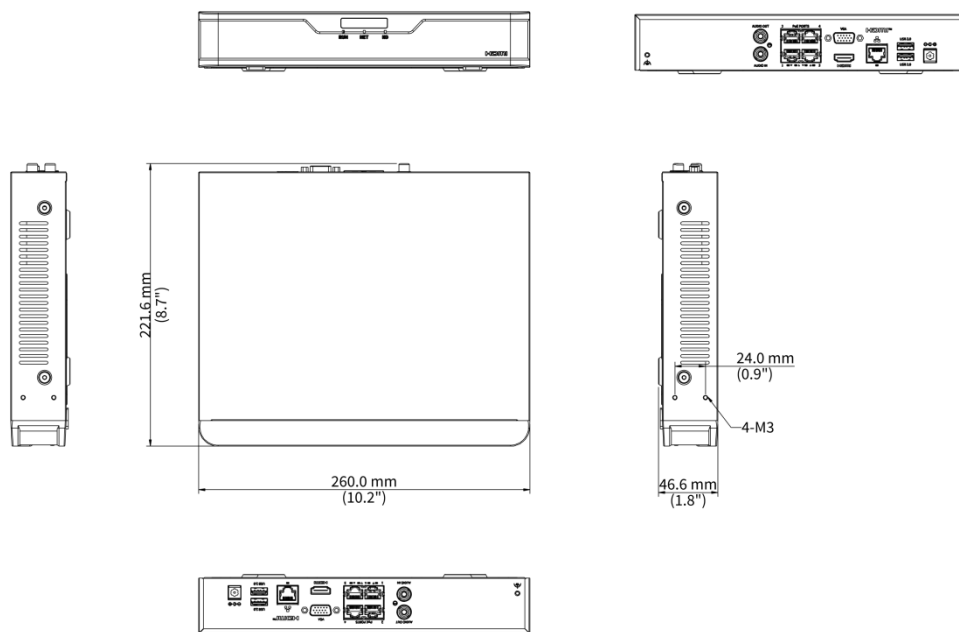
● Support cloud upgrade

## Specifications

| Model | NVR301-04B-P4-IQ | NVR301-08B-P8-IQ |
|---|---|---|
| Decoding | | |
| Decoding Format | Ultra 265,H.265,H.264 | |
| Decoding Capability | Smart Off：2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30<br>Smart On：2 x 4K@30, 4 x 4MP@30 | Smart Off：2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30<br>Smart On：2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30 |
| Decoding Capability Description | The resolution of each channel cannot exceed 8192 pixels in length and 4096 pixels in width | |
| Audio Compression | G.711A, G.711U | |
| Network | | |

| Incoming Bandwidth | 80 Mbps | |
|---|---|---|
| Outgoing Bandwidth | 80 Mbps | |
| Remote Users | 128 | |
| Protocols | TCP/IP, P2P, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, RTSP,　IPv6, IPv4 | |
| Browser (Plugin) | IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+ | |

### Video/Audio Input

| IP Video Input | 4-ch | 8-ch |
|---|---|---|
| RCA Audio Input | 1-ch | |

### Video/Audio Output

| HDMI Output | 4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz | |
|---|---|---|
| VGA Output | 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz | |
| RCA Audio Output | 1-ch | |
| Liveview Display | 1/4 | 1/4/6/8/9 |
| Corridor Mode Screen | 3/4 | 3/4/5/7/9 |

### Two-way Audio

| Two-way Audio | 1-ch,RCA(Using the audio input and output) |
|---|---|

### Snapshot

| FTP/Schedule/Event Snapshot | 4-ch snapshot (max. D1 (720 × 576) video resolution, with D1 snapshot resolution) |
|---|---|

### Recording

| Recording Resolution | 12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF |
|---|---|
| Num of Concurrent Playback | 16-ch |

### Smart

| VCA Detection by IPC | Face Detection, Face Comparison, Vehicle Detection, SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), Ultra Motion Detection (UMD), People Counting (People Flow Counting, Crowd Density Monitoring), Traffic Monitoring |
|---|---|
| Smart by NVR | Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Ultra Motion Detection (UMD) |
| VCA Search | Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map, AcuSearch |
| Smart by IPC | All channels (up to 8 images/s in total)Face Detection,Face Comparison,Vehicle Detection,SIP,UMD,Traffic Monitoring |
| Search by Image | Support |
| SIP by NVR | 2-ch |
| UMD by NVR | 4-ch |

### Alarm

| General Alarm | Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection | |
|---|---|---|
| Alert Alarm | IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal | |
| **GUI Language** | | |
| GUI Language | 38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Estonian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenia, Serbia, Korean, Japanese, Latvian, Lithuanian, Persian | |
| **Hard Disk** | | |
| SATA | 1 SATA Interfaces | |
| Capacity | Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature) | |
| **External Interface** | | |
| Network Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet Interface | |
| USB | Rear panel: 1 × USB2.0, 1 × USB3.0 | |
| RS485 | N/A | |
| RS232 | N/A | |
| Alarm In | N/A | |
| Alarm Out | N/A | |
| Power Supply | DC 48 V/1.35 A | DC 52 V/1.8 A |
| Power Switch | N/A | |
| **PoE** | | |
| PoE Interface | 4 RJ45 10 M/100 M self-adaptive Ethernet Interface | 8 RJ45 10 M/100 M self-adaptive Ethernet Interface |
| Max Power | Max 30W for single port,Max 50W in total | Max 30W for single port,Max 75W in total |
| Supported Standard | IEEE 802.3at,IEEE 802.3af | |
| **Working Environment** | | |
| Working Temperature | -10 ℃ ~ + 55 ℃ (+14 ℉ ~ +131 ℉) | |
| Working Humidity | ≤ 90% RH (non-condensing) | |
| Power Consumption (without HDD) | ≤ 12W | |
| **Dimensions** | | |
| Weight (without HDD) | ≤ 2.7Kg (6.0lb) | |
| Height | 1U | |
| Dimensions | 260mm × 222mm × 47mm (10.2"×8.7"×1.8") | |
| **Certification** | | |
| Certification | CE; FCC; UL; RoHS; WEEE | |
| CE | EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035 | |
| FCC | Part15 Subpart B | |
| **Compliance** | | |

NDAA Compliant | Support

# Dimensions

Aggregate product size diagram using NVR301-04B-P4-IQ as an example

221.6 mm
(8.7")

24.0 mm
(0.9")

4-M3

260.0 mm
(10.2")

46.6 mm
(1.8")

# Accessories

RM-1U-260

1 HDD 1U NVR Rack Mount

## Rear Panel



NVR301-04B-P4-IQ

HDMI Output
VGA Output
Audio Output
USB
GND
Audio Input
Power Supply
Network Interface
PoE Interface

NVR301-08B-P8-IQ

HDMI Output
VGA Output
Audio Output
USB
GND
PoE Interface
Network Interface
Power Supply
Audio Input
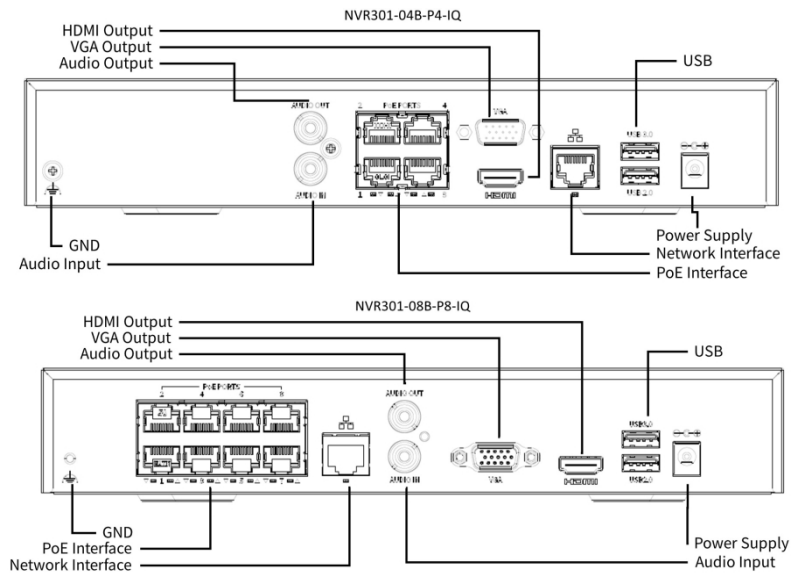
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