# SN-NVR3964E16-C

64CH 8K 16-HDD NVR



## Key Features

- Up to 64-ch IP camera access
- Up to 640 Mbps incoming/outgoing bandwidth
- Up to 48-ch @ 1080p decoding capacity
- Supports face comparison and target search
- Supports specialist cameras, including people counting, ANPR, fisheye, panoramic, and thermal cameras
- Supports fisheye dewarping and VCA alarm linkage
- Up to 4-ch perimeter protection
- Supports 4 × HDMI and 1 × VGA interfaces
- Supports RAID 0/1/5/6/10, and N+1 failover
- Hardware Root of Trust with FIPS 140-3 Level 3 certified secure element

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## Specifications

| | |
|---|---|
| **Video & Audio** | |
| IP Camera Input | 64 Channel |
| HDMI Output | HDMI 1: 7680 × 4320, 3840 × 2160, 1920 × 1080, 1280 × 1024, 1024 × 768<br>HDMI 2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1024 × 768<br>HDMI 3: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1024 × 768<br>HDMI 4: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1024 × 768 |
| VGA Output | 1920 × 1080, 1280 × 1024, 1024 × 768 |
| Different Source Output | Up to 4 channels |
| Multi-screen Display | HDMI 1: 1 / 4 / 8 / 9 / 16 / 32 / 36 / 64<br>HDMI 2: 1 / 4 / 8 / 9 / 16 / 32 / 36<br>HDMI 3: 1 / 4 / 8 / 9 / 16<br>HDMI 4 / VGA: 1 / 4 / 8 / 9 / 16 |
| Decoding Capacity | Up to 48ch @ 1080P |
| **IVS** | |
| Intelligent Analysis (By NVR) | - Supports face comparison and image-based search<br>- Supports human and vehicle attribute search<br>- Up to 4-ch intrusion detection with human/vehicle target filtering |
| Intelligent Analysis (By Camera) | Intrusion, smart motion, single line crossing, double line crossing, object left, object removed, signal bad loitering, multi-loitering, abnormal speed, wrong way, illegal parking, people counting, fence, enter area, leave area, smoking detection, smoke and flame detection, fire spot detection, etc. |
| Trigger Event Actions | Buzzer, Push message to APP, Full screen, Email, FTP, PTZ, Speaker, Alarm out, Camera alarm out, Event recording |
| Smart Search | Supported |
| **Recording** | |
| Recording Resolution | 32MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc. |
| Recording Mode | Manual, Schedule (Regular, Continuous), Event |
| Dual Stream | Supported |
| Audio Compression | G.711A, G.711U, PCM |
| **Playback & Backup** | |
| Synchronous Playback | 16/9/4/1 |
| Search Mode | Time /Date, Alarm, Picture grid, Event |
| Playback Control | Play, pause, FF/REW, slow, digital zoom |
| Backup Mode | USB Device, Network, eSATA, NAS |
| **Event** | |
| General Event | Motion Detection, Video Loss, Alarm in, Abnormal alarm, Alarm out |
| Abnormal Alarm | Disk Alarm, IP Address Conflict, Network Disconnect, Failover alarm |

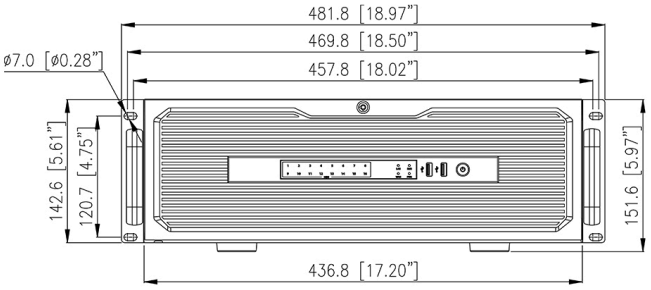
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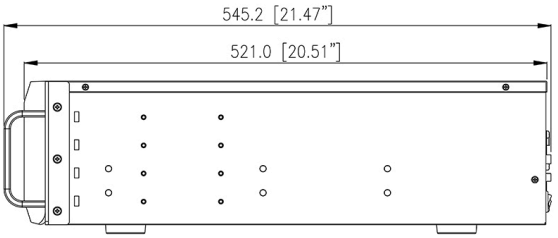
| | |
|---|---|
| Event Actions | Buzzer, Push message to APP, Full screen, Email, FTP, PTZ, Alarm output, Recording |
| **Network** | |
| Incoming Bandwidth | 640 Mbps |
| Outgoing Bandwidth | 640 Mbps |
| Protocols | HTTP, HTTPS, TCP/IP, IPv4, IPv6, UPnP, UDP, RTSP, SMTP, NTP, DNS, DHCP, FTP, P2P, IP Address Filtering, DDNS, IEEE 802.1X, SNMP, 3G/4G, PPPoE |
| Remote Users | Up to 8 users |
| P2P | P2P, Web NAT |
| Interoperability | ONVIF, SDK, CGI |
| Security | IP Address Filtering, User Access Log, IEEE 802.1X, TLS, Signed Firmware, Secure Boot, FIPS 140-3 Level 3 Certified Secure Element |
| **Storage** | |
| HDD | 16 SATA interfaces |
| Capacity | Up to 16 TB per disk |
| ANR | Supported |
| Disk Group | Supported |
| RAID | RAID 0, RAID 1, RAID 5, RAID 6, RAID 10 |
| **Interface** | |
| Network Interface | 2 × RJ45 10/100/1000/2500 Mbps Ethernet ports |
| eSATA | 2 eSATA Interfaces |
| HDMI | 4 |
| VGA | 1 |
| Audio Interface | 1 input, 1 output |
| Alarm Interface | 24 inputs, 8 outputs |
| USB Interface | Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0 |
| RS-232 | 1 |
| RS-485 | 1 |
| Reset Button | On-board reset button |
| **General** | |
| Power Supply | 100 to 240VAC |
| Power Consumption | Max. 70W (without HDD) |
| Operating Conditions | -10 ℃ to 50 ℃ (14 ℉ to 122 ℉) |
| Operating Humidity | 10% to 90% RH, non-condensing |
| Certifications | CE/FCC |
| Dimensions | Without rack ears: 436.8 × 521.0 × 151.6 mm (17.20 × 20.51 × 5.97 in)<br>With rack ears: 481.8 × 545.2 × 151.6 mm (18.97 × 21.47 × 5.97 in) |
| Net Weight | Approx. 10.6 kg (23.3 lb) without HDD |

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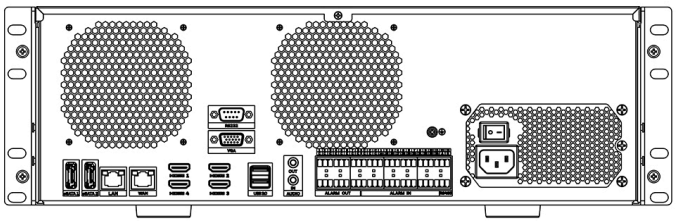
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## Dimensions (mm)




## Rear Panel



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