

# SN-NVR3964E16-C

64CH 16HDDs AI 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 recognition and multi-object recognition
- 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
- FIPS 140-3 Level 3 compliant

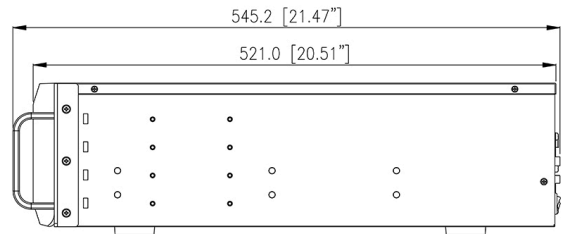
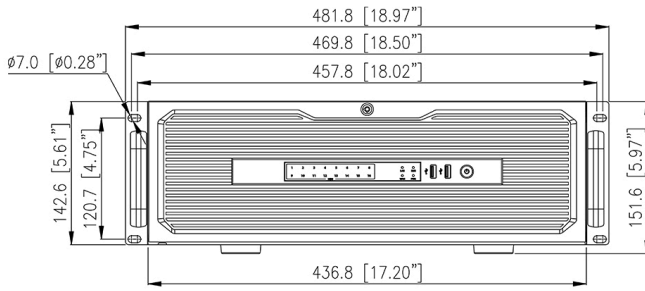
## Specifications

Video & Audio	
IP Camera Input	64 Channel
HDMI Output	HDMI 1: 7680 × 4320, 3840 × 2160, 1920 × 1080, 1280 × 1024, 1024 × 768 HDMI 2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1024 × 768 HDMI 3: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1024 × 768 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 HDMI 2: 1 / 4 / 8 / 9 / 16 HDMI 3: 1 / 4 / 8 / 9 / 16 HDMI 4 / VGA: 1 / 4 / 8 / 9 / 16
Decoding Capacity	Up to 48ch @ 1080P
IVS	
Intelligent Analysis (By NVR)	<ul style="list-style-type: none"> <li>- Real-time face capture with stranger alarm and similarity comparison</li> <li>- Real-time human, vehicle, and non-motor vehicle image capture and display</li> <li>- Real-time license plate recognition with plate result display</li> <li>- Up to 4-ch intrusion detection with human/vehicle classification</li> </ul>
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	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
Event Actions	Buzzer, Push message to APP, Full screen, Email, FTP, PTZ, Alarm output, Recording
<b>Network</b>	
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 Compliant
<b>Storage</b>	
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
<b>Interface</b>	
Network Interface	2 × RJ-45, 10/100/1000/2500 Mbps self-adaptive Ethernet ports
eSATA	2 eSATA Interfaces
HDMI	4
VGA	1
Audio Interface	1 × input, 1 × output
Alarm Interface	24 × input, 8 × output
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
<b>General</b>	
Power Supply	100 to 240VAC
Power Consumption	Max. 70W (without HDD)
Operating Conditions	-10 °C to 50 °C (14 °F to 122 °F)
Operating Humidity	Less than 90% RH
Certifications	CE/FCC
Dimensions	Without rack ears: 436.8 × 521.0 × 151.6 mm (17.20 × 20.51 × 5.97 in) 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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## Dimensions (mm)



### Rear Panel

