



NR9681(A)

H.265 2U 64-CH NVR

H.265 • VAST 2 Inside • 64 Channel • 8x HDD • ONVIF • Dual LAN • Fisheye Dewarp • Local Display • RAID • Redundant Power

- H.265/H.264 Compression Technology
- 64-CH Recording, 64-CH Display
- 8 Hot-Swappable HDD Bays
- Support RAID 0/1/5/6/10 Storage
- Redundant Power
- Dual Lan Giga Network Ports
- VIVOTEK VAST 2 Inside
- Smart Search II: Powerful Search for Smart Motion Detection
- Smart VCA: AI Powered Video Analytics
- Cybersecurity Management Solution
- Multiple Fisheye Dewarp Support
- 2.5D Visualization eMap
- License Plate Recognition Solution



Technical Specifications

Device

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|-------------------|---|
| Model | NR9681(A) |
| OS | Embedded Windows 10 |
| Watchdog | Hardware + Software |
| Power Restoration | System Restart Automatically after Power Recovery |

Local Display

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|---------------------|--|
| LiveView Display | 64 Channels Equal: 1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8 Panorama: 1P+6, 2P, 2P+3, 3P Focus: 1+12, 1+16, 1+3, 1+5, 1+7, 1+9, 2+8 Vertical: 1V+6, 2V+2, 2V+3, 3V, 3V+4, 4V, 4V+4, 5V Single layout display, full screen display, custom layout, layout rotation |
| Video Output | HDMI x1, Display Port x1, VGA x1, DVI x1 |
| Display Resolution | HDMI: 3200x2000 DP: 3200x2000 VGA/DVI: 1920x1200 |
| Dual Monitor | Supported |
| Camera Position | Change the viewcell position on the Live View screens |
| Stream Application | Stream Selection & Auto Stream Size |
| Monitor Enhancement | E-Map Embedded, Drag & Drop, Remote I/O Control, PiP (Digital Zoom), Instant Playback, Video Display Mode (Aspect Ratio & Camera Information), Metadata Display (VCA, POS and Data Magnet) |
| Fisheye Dewarp | 10, 1P, 1R, 103R, 4R, 2P, 4R Pro, 108R and Fisheye Auto-Pan |
| PTZ/ePTZ Operation | Direction Control, Home, Zoom, Focus, Isis, Preset, Patrol (Group), Tracking, Pan, Stop, Speed, Wiper Blade Control |

Video

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|---------------------|--|
| Video Format | MJPEG, MPEG4, H.264 AVC, H.264 SVC, H.265 |
| Graphic Decoder | Software decoding |
| Decoding Resolution | Up to 8192x8192 |
| Decoding Capability | H.264: 1920x1080 @ 300 fps H.265: 1920x1080 @ 150 fps |

Audio

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|--------------|---|
| Audio Format | G.711, G.726, AMR, AAC |
| Audio In/Out | Microphone audio jack Input x1 3.5 Line input audio jack x1 3.5 Line output audio jack x1 |
| 2-way Audio | Supported |

Record

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|-----------------------|---|
| Recording Time (sec.) | Pre-Record: 3-15 Post-Record: 10-60 |
| Recording Stream | Single |
| Recording Throughput | 512 Mbps |
| Recording Mode | Continuous, Event, Customized Schedule, Activity Adaptive Streaming |
| Recording Setting | Recycling time depends on the remaining storage space or the set number of days |
| Seamless Recording | Supported |

Storage & Backup

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|-------------------|---|
| HDD Devices | Hot-Swappable Tray x8 *HDD is purchased by separately. |
| HDD Max. Capacity | *Please refer to the HDD supported list on the VIVOTEK website. |
| RAID | RAID 0, 1, 5, 6, 10 |
| Disk Management | Create, format and remove disk |
| Video Clip Export | USB Dongle (FAT Format) NAS (SMB & CIFS) |
| Schedule Backup | NAS (SMB & CIFS) |

Playback

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| Playback Display | 64 Channels (the max. number of monitors supported depends on the decoding capability of your system) Equal: 1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8 Panorama: 1P+6, 2P, 2P+3, 3P Focus: 1+12, 1+16, 1+3, 1+5, 1+7, 1+9, 2+8 Vertical: 1V+6, 2V+2, 2V+3, 3V, 3V+4, 4V, 4V+4, 5V Single layout display, full screen display, custom layout, layout rotation |
| Playback Control | Play, rewind, pause, stop, next/previous video start, next/previous frame, 1/8X ~ 64X speed control, bookmark |
| Video Search | Calendar, Event, Alarm, Bookmark, Thumbnail, Smart Search II, Transaction (POS), Data Magnet, Log |
| Snapshot | BMP & JPEG |
| Video Clip Export | 3GP & EXE |

Network

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| Ethernet | 10/100/1000Mbps Ethernet (RJ-45) x2 |
| Video Throughput for Remote Client | 400 Mbps |
| Protocols | IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, DDNS, IP Filter |

Alarm Management

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| Alarm Period (sec.) | Max. 30 |
| Alarm Filter | Time, Trigger Type (Camera/Substation/System), Status, Name, Trigger Source |
| Alarm Setting | Realtime System Notification Alarm Result Display by List or Thumbnail |
| Schedule Type | Continuous, schedule, manual |
| Camera Event | General: Motion detection, Camera DI, Camera DO, IR (Infrared), PIR (Passive infrared), Tampering detection, Temperature, Camera disconnected, Recording error, Stop recording, Video loss (Video server only), SD card life expectancy detection, Audio detection, Shock detection Smart VCA: Line crossing detection, Intrusion detection, Loitering detection, Face detection, Missing object detection, Unattended object detection, Crowd detection, Running Detection Trend Micro IoT Security: Brute force attack, Cyberattack, Quarantine event |
| Substation | NV Series NVR: Abnormal G-sensor Motion, Speeding, GPS Disconnected ND Series NVR: Fan Status, Network Disconnected, Storage Failure, Storage Full, Number of remaining people, Brute force attack, Cyberattack, Quarantine event NR Series NVR: Network Disconnected, Storage Failure, Storage Full |
| External Devices Event | DI/O (with I/O Box), TCP Message |
| Action | Start to record videos, Set DO status, Go to camera presets, Send HTTP requests, Send live streaming, Send email with snapshot of assigned camera(s), Go to E-Map, Sound the alarm and Add bookmark |
| Alarm State for Management | New, In Progress, False Alarm and Close |
| Alarm Result Export | .csv File |

eMap

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| Source | Import picture & folder |
| Device | Camera, external DI/O |
| Marked | Add, remove, direction control, PTZ control, FOV control, live view & playback |
| Event Notification | One or More Live Streaming |

External Interface

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| USB | USB 2.0 x4 USB 3.0 x2 |
| Audio | Microphone audio jack Input x1 3.5 Line input audio jack x1 3.5 Line output audio jack x1 |

System

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| POS Integration | Supported |
| UPS Integration | Supported |
| Camera Integration | ONVIF Profile S |

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|--------------------------|---|
| I/O Box Integration | Advantech ADAM-6000 Series CHIYU CYT-133SC MOXA ioLogik E1210, E1211 and E1212 |
| User Management | Authentication: Basic Account / Windows AD Account User Account: 1024 User Level: Administrator / Customized User |
| Log | Operation, system and event log |
| Date & Time | Sync server |
| Advanced Features | |
| VCA Counting Solution | Supported |
| LPR Solution | Supported |
| VCA Event Search | Smart VCA |
| Smart Search | Smart Search I & Smart Search II |
| Cybersecurity Management | Supported |
| Remote Client | |
| Software AP | Shepherd, VAST 2 |
| Mobile/Tablet App | iViewer (iOS/Android) |
| Web Browser | Internet Explorer 9 (32 bit) or above |
| General | |
| Power Input | Redundant power 100~220V AC |
| Power Consumption | Max. 740 W |
| Redundant Power | Supported |
| 80 Plus Certified | Platinum |
| Dimensions | 89 (H) x 437 (W) x 648 (D) mm |
| Weight | 27 kg (without HDD) |
| Operating Temperature | 5°C ~ 35°C (41°F ~ 95°F) |
| Humidity | 0 ~ 95% |
| Safety Certifications | CE, LVD, FCC, VCCI, C-Tick, UL |
| Warranty | 36 months |

Dimensions

