

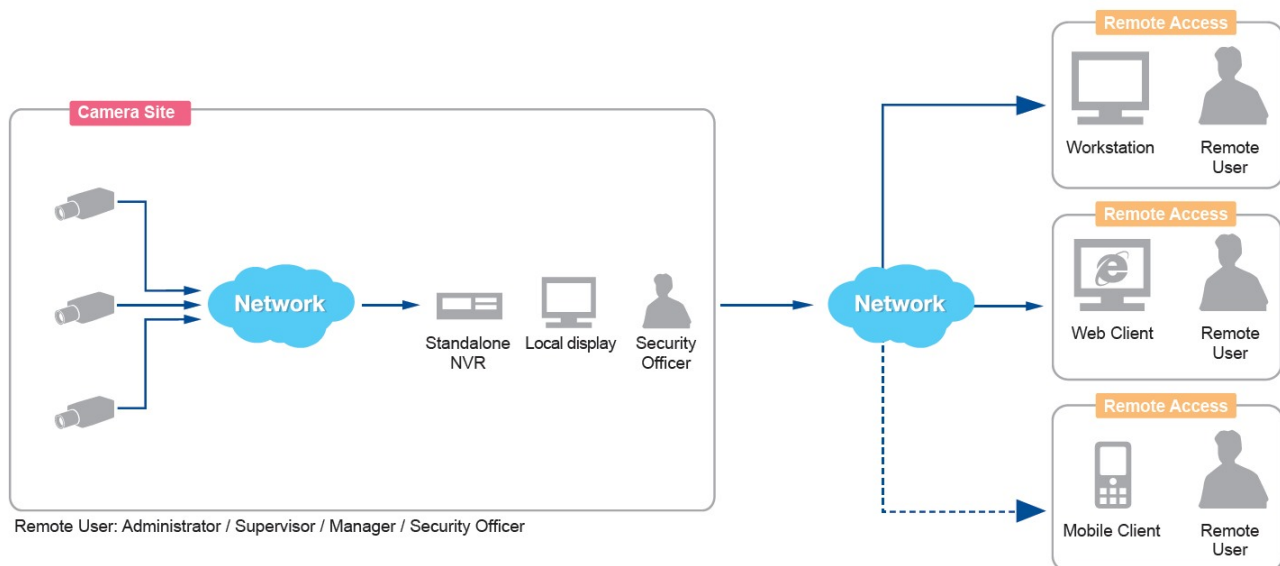
# INR-411

## 256-Channel RAID Rackmount Standalone NVR with Redundant Power Supply



- 12-bay Rackmount Standalone NVR
- Rack Space: 2U
- Hardware RAID 0, 1, 5, 6, 10, 50, 60
- Maximum Number of Video Devices: 256
- Free License: 64 (64 channels for ACTi and 1 channel for third-party video device)
- Event trigger, response and notification
- Workstation, Web Client, Mobile Client
- Video export formats: RAW, AVI, EXE
- Location-based management with e-Map
- Non-ACTi camera support via licensed Camera Device Pack
- Redundant Power Supply
- Intel Core i7-9700E, 16GB

### ► Solution Diagram



## ► Specifications

### Device

|  |   |
|--|---|
| Product Type   | Standalone NVR                              |
| Maximum Resolution                                       | Support all ACTi cameras in all resolutions |
| Maximum Number of Video Devices                          | 256   |
| Maximum Number of POS devices                            | 256 (requires additional license)           |
| Maximum Number of Access Control and Network I/O devices | 256 (requires additional license)           |
| Maximum Number of Clients                                | Local: 1, Remote: 5                         |

### Hardware

|     |                      |
|-----|----------------------|
| CPU | Intel Core i7-9700E  |
| RAM | 16GB, DDR4, 2666MT/s |

### License

|                  |  |
|------------------|--|
| License required | Yes  |
| Free License     | 64 (64 channels for ACTi and 1 channel for third-party video device) |

### Live View

|                                |   |
|--------------------------------|---|
| Display Layout Mode            | Local:1, 3, 4, 5, 6, 8, 9, 10, 12, 16 Remote:1, 3, 4, 5, 6, 8, 9, 10, 12, 16, 18, 24, 25, 35, 36, 48, 49, 64, Custom                            |
| Fisheye Dewarping              | Yes   |
| Local Live View performance    | Please check "Standalone NVR Performance Validator" ( <a href="http://www.acti.com/SANVRPerformance">http://www.acti.com/SANVRPerformance</a> ) |
| Digital Zoom                   | Yes   |
| Event Status                   | Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full          |
| Instant Playback               | Instant Playback in live view window  |
| Embedded websites in Live View | Display and connect to pre-configured embedded website  |

### Map

|            |   |
|------------|---|
| e-Map      | Yes   |
| Google Map | Yes   |
| Layout     | Area maps with camera icons, small live view windows, hyperlinked   |
| Setup      | e-Map image upload, Google maps settings and preset management, camera positioning, vision angle and pointed direction of camera, view positioning, source positioning, extended devices for Point-of-sale (POS), Access Control, Network I/O, Car Park |
| PTZ Mode   | Mouse PTZ mode to control e-Map video streams   |

**PTZ**

|             |  |
|-------------|--|
| PTZ Control | PTZ Control, Speed Control, 32 preset points |
| Joystick    | USB based joystick supported                 |

**Video**

|                    |                             |
|--------------------|-----------------------------|
| Compression        | H.265, H.264, MPEG-4, MJPEG |
| Built-in Analytics | Visual Tracking             |

**Audio**

|            |                         |
|------------|-------------------------|
| Audio Type | 2-way, Mic-in, Line-out |
|------------|-------------------------|

**Network**

|                            |   |
|----------------------------|---|
| Network Protocol & Service | IPv4/v6, TCP, UDP, DHCP Client, HTTP, DNS, NTP, RTP, RTSP, SMTP, FTP, ICMP, ARP, UPnP, LDAP (client), iSCSI |
| Ethernet Port              | 2 x Ethernet (1000 Base-T), RJ-45 connector   |

**Recording**

|                              |          |
|------------------------------|----------|
| Scheduled Recording          | Yes      |
| Event Recording              | Yes      |
| Manual Recording             | Yes      |
| Event Speed-up Recording     | Yes      |
| Dual Stream Management       | Yes      |
| Maximum Recording Throughput | 550 Mbps |

**Search & Playback**

|                       |  |
|-----------------------|--|
| Playback Control      | Continuous forward and backward playback with speeds 1x/2x/4x/8x/16x or frame-by-frame, pause, stop  |
| Synchronized Playback | 9 channels (Local), 64 channels (Remote)   |
| Recording Search      | Search video recordings by time, events, channels, bookmarks, notifications and listed as clickable time-based thumbnails for full-size view and snapshot download |
| Smart Search          | Smart search of recorded video by Motion Detection and Tamper  |
| Video Export          | RAW, AVI, EXE  |
| Snapshot Export       | BMP, JPEG, PNG   |

**Event**

|               |   |
|---------------|---|
| Video Push    | Support Video Push from ACTi Mobile Client devices  |
| Event Trigger | <p>[NVR]: Disk full, Disk not found, Disk is available, Schedule service start and stop, Video Push start and stop, CPU limit exceeded.</p> <p>[Video Device]: Video motion detection, Passive IR sensor, External device through digital input, Sound detection, Intelligent event detection, RFID detection, Video Push start and stop, Video loss, Video Recovery, Network loss and recovery.</p> <p>[Extended Device]: Point-of-sale (POS) status, Network I/O status, Access Control status, Car park status</p> |

|                |  |
|----------------|--|
| Event Response | Pop-up window with live video and event confirmation activation, Switch to hotspot window, Switch to customize view, Command a PTZ device to go to a preset point, Play alert sound, Activate external device through digital output, Execute system command to activate other programs, Upload video or snapshot to FTP server, E-mail notification with snapshots, Push notification |
|----------------|--|

### Redundancy Server

|                    |   |
|--------------------|---|
| Redundancy Service | Yes, N-to-N, N+1 (With limited functions when NVR 3 server acts as Redundancy server) |
|--------------------|---|

### System

|                            |  |
|----------------------------|--|
| Permission control         | Unlimited number of users, Active Directory, Customizable permissions for user groups, Account lockout, Automatic logout after idle, Playback password protected, Password validity period |
| Client PC Operating System | Windows 7 SP1, Windows 8.1, Windows 10, Windows Server 2008 R2 SP1, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019   |
| Server Operating System    | Windows 10 IoT   |
| Mobile Client Program      | Mobile device application (ACTi Mobile Client) supports Live View, PTZ Control, Video Push, Event/time based search and playback, Supported device(s) iPhone, Android device               |
| USB                        | 4-Port USB 2.0, 5-Port USB 3.0   |
| Language                   | Multi-Language   |

### Integration

|                         |  |
|-------------------------|--|
| Unified Solution        | Fully compatible with ACTi cameras, encoders, central management system, TV wall and intelligent video surveillance software                     |
| GPS Position            | Manual setting   |
| ONVIF Compliant         | Yes, Profile S (contains the officially ONVIF conformant software NVR 3 Corporate)   |
| Web Browser             | IE 11 (Please verify that your computer meets the minimum system requirements for Internet Explorer from Microsoft website.)                     |
| Third-party Integration | Point of Sale (POS), Access Control, Network I/O, Parking Management Station (PMS), (Various optional integrations requiring additional license) |

### Storage

|                              |   |
|------------------------------|---|
| Supported Storage Technology | NAS, SAN  |
| System Drive                 | SSD, 256GB  |
| Hot Swappable Drive          | Yes   |
| Storage Bay                  | SATA, Max. 12 Disk(s) (without storage disks)           |
| HDD Size                     | 3.5"  |
| Maximum Recording Capacity   | 14TB x12  |
| RAID Level                   | Hardware RAID 0, 1, 5, 6, 10, 50, 60                    |
| Supported Storage            | Video Recording: SATA disk, iSCSI<br>Export: iSCSI, USB |

### Interface

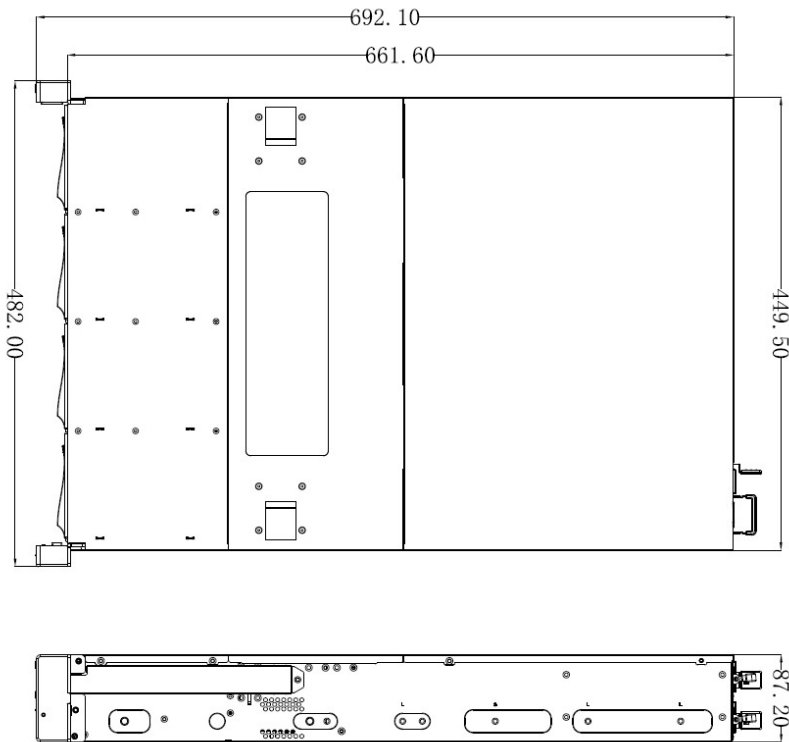
|                 |                       |
|-----------------|-----------------------|
| Serial Port     | 1 x RS-485/RS-422     |
| Audio Interface | 1/1, 3.5mm Phone Jack |

|                            |   |
|----------------------------|---|
| External Storage Interface | iSCSI, USB  |
| Expansion Slots Available  | 1 x PCIe 3.0 (x8) 1 x PCIe 3.0 (x4) 1 x PCIe 3.0 (x1) |
| Local Access               | USB joystick, keyboard & mouse                        |
| Local Display Interface    | HDMI x 1, Display Port x 2                            |

**General**

|                        |  |
|------------------------|--|
| Power Source           | AC 100-240V  |
| Redundant Power Supply | Yes  |
| Power Supply           | 2 x 550W   |
| Weight                 | 11700g (25.794lb)  |
| Dimensions             | (W x H x D): 482mm x 87.2mm x 692.1mm (18.98" x 3.43" x 27.25") Rack Space: 2U   |
| Bundled Accessories    | Rackmount rails  |
| Mount Type             | Rack mounts  |
| Fan                    | Yes  |
| Operating Temperature  | 0°C ~ 40°C (32°F ~ 104°F)  |
| Operating Humidity     | 10% - 85% RH   |
| Remote Access          | Workstation, Web Client, Mobile Client   |
| Approvals              | CE, FCC, UL (for built-in power adapter)   |
| Color                  | Silver   |
| Warranty               | 3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a> |








## ► Dimension Diagram



Unit: mm [inch]

## ► Related Products

### Network & Storage Peripherals - Hard Disk

|           |   |  |
|-----------|---|--|
| PHDD-2200 |  | WD WD1005FBYZ 1TB 3.5" Hard Disk Drive, 7200 RPM 128 MB Cache (for ENR-0x0P, ENR-110, ENR-120, ENR-130, ENR-22x, ENR-22xP, GNR-310, GNR-320, INR-100, INR-340, INR-430, INR-440, INR-450, INR-460) |
| PHDD-2301 |  | HGST ULTRASTAR 7K6000 2TB 3.5" Hard Disk Drive, 7200 RPM 128MB Cache (for ENR-1xx, ENR- 0x0P, ENR-22x, ENR-22xP)   |
| PHDD-2501 |  | HGST ULTRASTAR 7K6000 4TB 3.5" Hard Disk Drive, 7200 RPM 128MB Cache (for ENR-1xx, ENR-0x0P, ENR-22x, ENR-22xP)  |
| PHDD-2702 |  | WD Ultrastar 6TB 3.5" Hard Disk Drive, 7200 RPM 256MB Cache  |
| PHDD-2900 |  | WD WD8002FRYZ 8 TB 3.5" Hard Disk Drive, 7200 RPM 128 MB Cache (for GNR-310, GNR-320, INR-100, INR-340, INR-410, INR-430, INR-440, INR-450, INR-460)   |
| PHDD-2A00 |  | WD WD101KRYZ 10TB 3.5" Hard Disk Drive, 7200 RPM 256MB Cache (for ENR-xxx, ENR-xxxP, GNR-330, GNR-410, INR-100, INR-340, INR-410, INR-430, INR-440, INR-450, INR-460, INR-470)                     |
| PHDD-2B01 |  | HGST ULTRASTAR 7K6000 12TB 3.5" Hard Disk Drive, 7200 RPM 256MB Cache  |

PHDD-2E01



HGST ULTRASTAR 7K6000 14TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache

PHDD-2G00



WD Ultrastar 18TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache

PHDD-2H00



PHDD-4E10



M.2 256G System drive with Windows 10 and NVR software for INR-411

### Network & Storage Peripherals - Extended Storage Device

PSTR-0403



2U 12-Bay NAS RAID Storage Device (for MNR-320P, MNR-330P, and all GNR and INR Series)