

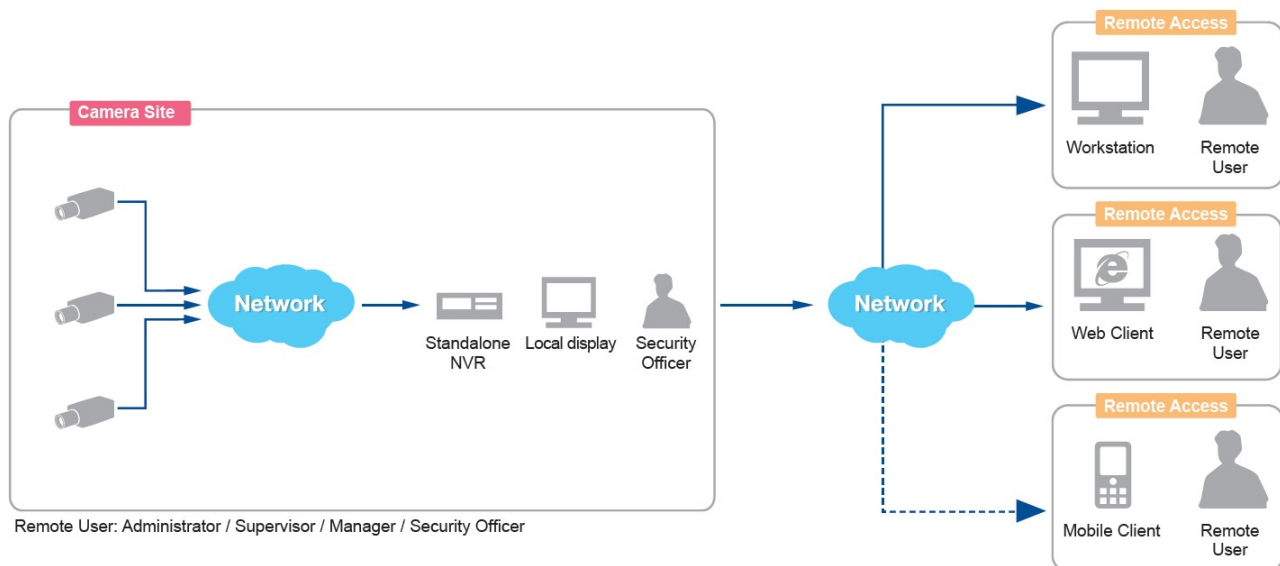
# INR-411

## 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
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## 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
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### Redundancy Server

Redundancy Service	Yes, N-to-N, N+1 (With limited functions when NVR 3 server acts as Redundancy server)
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### 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 Export: iSCSI, USB

### Interface

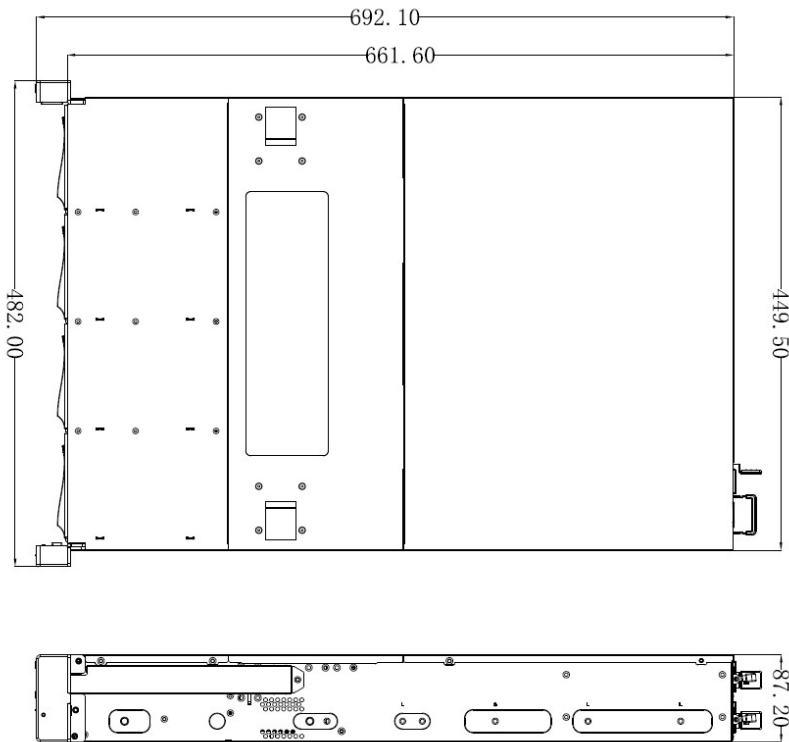
Serial Port	1 x RS-485/RS-422
Audio Interface	1/1, 3.5mm Phone Jack
External Storage Interface	iSCSI, USB

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-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)