# INR-350

## 64-Channel 2-Bay Tower Standalone NVR



- 64 channels, 64 Free Licenses
- 2 Storage Bay(s)
- Tower Standalone NVR
- Windows 10 Pro, NVR 3 Corporate
- Intel Core i7-8700, 16GB
- Audio, HDMI x 1, VGA x 1, Display Port x 2
- Workstation, Web Client, Mobile Client
- Forensic Search, Event Search, Smart Search, Metadata Search
- Object Visual Tracking
- Multi-Browser Support

## Specifications

### Product Profile

| | |
|---|---|
| Product Type | Standalone NVR |
| Maximum Resolution | Support all ACTi cameras in all resolutions |
| NVR Edition | NVR 3 Corporate |
| Maximum Number of Video Devices | 64 |
| Maximum Number of POS devices | 64 (requires additional license) |
| Maximum Number of Access Control and Network I/O devices | 64 (requires additional license) |
| Maximum Number of Clients | Local: 1, Remote: 5 |

### Hardware

| | |
|---|---|
| CPU | Intel Core i7-8700 |
| RAM | 16GB, DDR4, 2400MT/s |

### License

| | |
|---|---|
| License required | No |
| Free License | 64 (64 channels for ACTiand 1 channel for third-party video device) |

## Live View

| | |
|---|---|
| Display Layout Mode | Local:1, 3, 4, 5, 6, 8, 9, 10, 12, 16 Remote (IE client): 1, 3, 4, 5, 6, 8, 9, 10, 12, 16, 18, 24, 25, 35, 36, 48, 49, 64 Remote (Lite web client): 1, 3, 4, 5, 6, 8, 9, 10, 12, 16 Remote (Workstation): 1, 3, 4, 5, 6, 8, 9, 10, 12, 16, 18, 24, 25, 35, 36, 48, 49, 64 |
| Fisheye Dewarping | Yes (Live View, Playback, Export) |
| Local Live View performance | Please check "Standalone NVR Performance Validator" (http://www.acti.com/SANVRPerformance) |
| Digital Zoom | Yes, at least 64x digital zoom (Actual digital zoom ratio vary depending mainly on camera resolution, screen resolution and view layout.) |
| Visual Tracking | Yes (Cross-camera tracking via pre-defined regions) |
| 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 |
| PTZ Mode | Mouse PTZ mode to control e-Map video streams |

## PTZ

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

## Video

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|---|---|
| Video Source | ACTi cameras/encoders, ONVIF Cameras, Integrated 3rd-party cameras, Mobile Client, USB/Webcam |
| Compression | H.265 Adaptive Stream, H.264 Adaptive Stream, MPEG-4, MJPEG |
| Hardware Accelerated Decoding | Yes (for workstation PC only), H.264, H.265 |

## Analytics

| | |
|---|---|
| Analytics from Camera | Receive analytics based events from the cameras and respond to the events:<br>Face Detection; Smart Motion Detection (People Detection, Vehicle Detection); Smart Intrusion Protection (Intrusion Detection, Line Crossing Detection, Enter Area Detection, Exit Area Detection); People Counting (People Line Counting, People Area Counting, People Flow Counting, Crowd Detection); Object Metadata; Object Recognition; Temperature Detection (Fire Detection, Smoking Detection, Smoke Detection, Temperature Measurement); Traffic Monitoring |

## Audio

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

## Network

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|---|---|
| Network Protocol & Service | IPv4/v6, TCP, UDP, DHCP Client, HTTP, HTTPS, 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 | 500 Mbps |

## Search & Playback

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|---|---|
| Playback Control | Continuous forward and backward playback with speeds (1/64, 1/32, 1/16, 1/8, 1/4, 1/2, 1, 2, 4, 8, 16, 32, 64, 128, 256) or frame-by-frame, pause, stop |
| Synchronized Playback | 64 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 |
| Event Search | Search within previously recorded AI events |
| Smart Search | Set ROI and look for the people and vehicles appearing in the ROI in the past recordings (requires cameras with Smart Motion Detection feature) |
| Forensic Search | Select target object (people, vehicle) and search for the similar object through all the channels |
| Metadata Search | Select attribute filters (color, gender, age, etc) and find thumbnails matching the criteria |
| Object Visual Tracking | View thumbnails generated by Forensic Search and playback by time sequence |
| Video Export | AVI, MKV, MOV, MP4, EXE (playing by NVR Embedded Media Player), Time-Lapse Video (AVI format) |
| Snapshot Export | BMP, JPEG, PNG |
| Embedded Media Player | Yes, supports up to 64 channels view |

## Event

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|---|---|
| Video Push | Support Video Push from ACTi Mobile Client devices |
| Event Trigger | [NVR]: Disk full, Disk not found, Disk is available, S.M.A.R.T. Failure and Normal, Schedule service start and stop, Video Push start and stop, Time Backward, CPU limit exceeded for Server PC, CPU limit exceeded for NVR services, GPU Loading Detection for workstation only, Memory limit exceeded for Server PC and NVR services, Network Send/Receive Limit Exceeded for Server PC.<br><br>[Video Device]: Video motion detection, Passive IR sensor, External device through digital input, Sound detection, Intelligent event detection, Video Push start and stop, Video loss and recovery, Disk Write Failure and Available.<br><br>[Extended Device]: Point-of-sale (POS) status, Network I/O status, Access Control status |

| | |
|---|---|
| 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, Send Snapshot to Line Messenger |

## Redundancy Server

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

## System

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|---|---|
| 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, Password Expiration Notification |
| Watchdog | Support |
| Server Operating System | Windows 10 Pro |
| 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 and Client PC requirements | Please use https://www.acti.com/pcselector For client PC requirements, please check the Performance: Live View section. |
| 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) iOS, Android device |
| USB | 4-Port USB 2.0, 3-Port USB 3.0, 2-Port USB 3.1 |
| Language | Multi-Language |

## Integration

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|---|---|
| Unified Solution | Fully compatible with ACTi cameras, encoders, central management system, TV wall and intelligent video surveillance software |
| CMS Support | Yes (ACTi CMS 2) |
| GPS Position | Manual setting |
| Edge Recording | Automatically restore the lost videos from the memory card of camera to NVR server via ONVIF (Profile G) or proprietary protocol integrations after network connection recovery. |
| 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.), Lite web client: Microsoft Edge 80.0.361.66 (Normal mode) or newer, Google Chrome 71.0.3578 or newer, Firefox 64.0.2 or newer, Apple Safari 12.0.2 or newer |
| Third-party Integration | Point of Sale (POS), Access Control, Network I/O, Parking Management Station (PMS), (Various optional integrations requiring additional license) |

## Storage

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|---|---|
| Supported Storage Technology | NAS, SAN |
| System Drive | M.2 SSD, 256GB |
| Storage Bay | SATA, Max. 2 Disk(s) (without storage disks) |
| Removable Tray | Yes |
| HDD Size | 3.5" |

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| Maximum Recording Capacity | 24TB x2 |

### Interface

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|---|---|
| Serial Port | 1 x RS-232 |
| Audio Interface | 2/2, 3.5mm Phone Jack |
| Expansion Slots Available | 1 x PCIe 3.0 (x16) 1 x PCIe 3.0 (x4) 1 x PCIe 3.0 (x1) |
| Local Access | USB Joystick, Keyboard & mouse |
| Local Display Interface | HDMI x 1, VGA x 1, Display Port x 2 |

### General

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|---|---|
| Power Source | AC 100-240V |
| Power Supply | 500W |
| Dimensions | (W x H x D): 184mm x 362mm x 425mm (7.24" x 14.25" x 16.73") |
| Fan | Yes |
| Operating Temperature | 5°C ~ 35°C (41°F ~ 95°F) |
| Operating Humidity | 8% - 95% RH, non-condensing |
| Remote Access | Workstation, Web Client, Mobile Client |
| Color | Black |
| Warranty | 3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty |

## 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 |

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|---|---|---|
| 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 |  | WD Ultrastar 16TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache |
| PHDD-2I00 |  | WD Ultrastar 20TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache |
| PHDD-2J00 |  | WD Ultrastar 22TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache |
| PHDD-2M00 |  | WD Ultrastar 24TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache |