

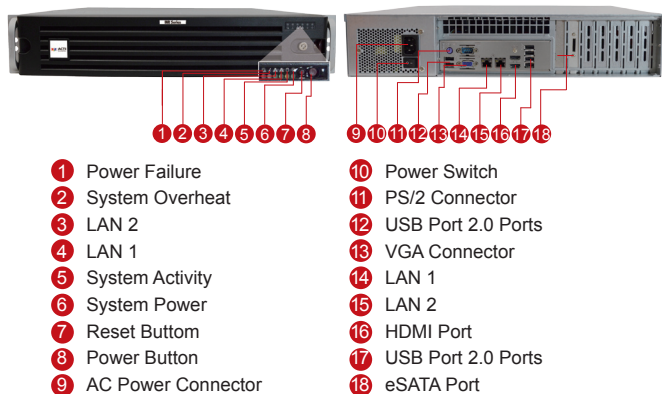
# INR-420

## 200-Channel 8-Bay RAID Rackmount Standalone NVR

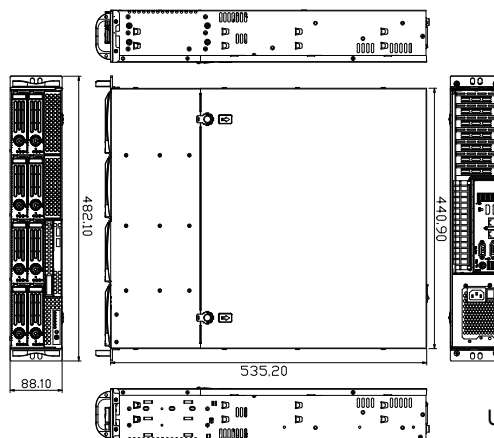


- 8-bay Rackmount (2U) with hardware RAID (0,1, 5, 10)
- Manage up to 200 cameras or video encoders
- Recording up to 200 Channels
- Live view local up to 16-channel, remote up to 64-channel
- Synchronized playback local up to 9-channel, remote up to 64-channel
- Export video with RAW and AVI formats
- Event trigger, response and notification
- Mobile Client, Web Client, Workstation
- Location-based management with eMap
- 64-channel free license included
- Non-ACTi camera support via licensed Camera Device Pack

### PHOTO INDICATION

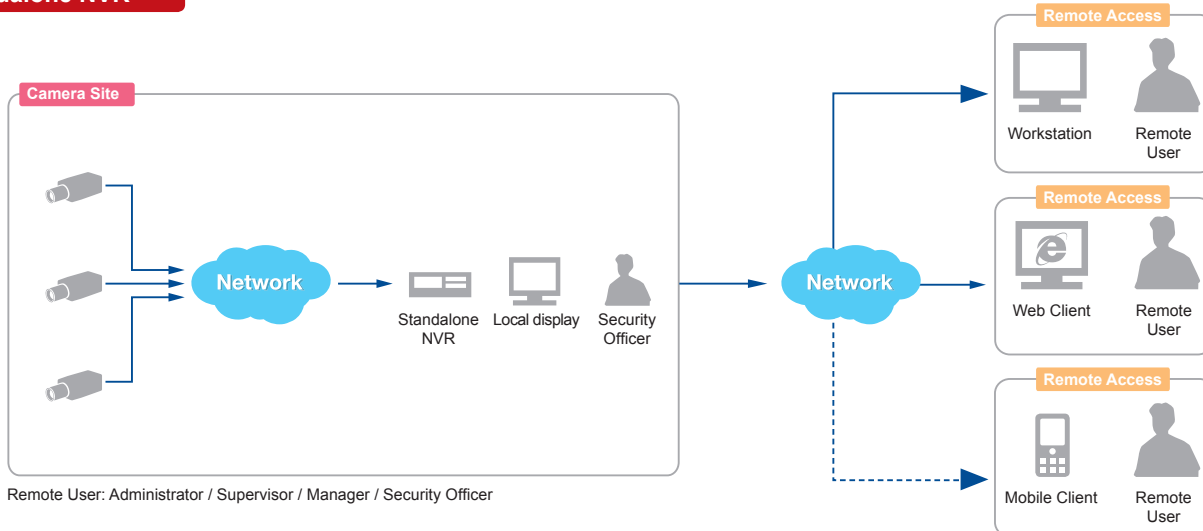


### DIMENSION DIAGRAM



### SOLUTION ARCHITECTURE

#### Standalone NVR



**PRODUCT SPECIFICATION****INR-420****• General**

|                                  |  |
|----------------------------------|--|
| Full Name                        | ACTi Standalone Network Video Recorder INR-420 |
| Maximum Number of Clients        | 1 local, 3 remote                              |
| Maximum Number of Cameras        | 200  |
| Free License                     | 64 Channels                                    |
| Compression                      | H.264, MPEG-4, MJPEG                           |
| Maximum local display resolution | 1920 x1080                                     |

**• Live View**

|                             |   |
|-----------------------------|---|
| Display Layout Mode         | Local: 1, 4, 5, 6, 8, 9, 10, 12, 16<br>Remote: 1, 4, 5, 6, 8, 9, 10, 12, 16, 18, 24, 25, 35, 36, 48, 49, 64   |
| View Manager                | An interface to define display layouts and the pre-set cameras within layout in the public or private view    |
| View Patrol                 | Automatic switch between different views or devices   |
| View Panel                  | Contains the list of pre-defined views for quick launch   |
| Digital Zoom                | Zoom in/out digitally by PiP (Picture-in-Picture)   |
| Camera Tree                 | Drag and drop video source from camera tree into display layout; display camera status on the tree            |
| Manual Recording / Snapshot | Instant recording upon mouse click / Instant snapshot upon mouse click or hot key                             |
| Event Panel                 | Display event status upon alarm or upon connection loss or recovery   |
| Two-way Audio               | Audio sound from and to all the audio supported devices; audio broadcast to multiple devices at the same time |
| Dual Stream Management      | Live view of stream 1 or stream 2 of dual stream devices  |
| Instant Playback            | Instant playback in live view window  |

**• e-Map**

|                     |   |
|---------------------|---|
| Layout              | Area maps with camera icons, small live view windows; hyperlinked |
| Map Switch and Tour | Manual switch and auto tour modes selectable                      |
| Setup               | e-Map image upload; camera positioning; map linking               |
| PTZ Mode            | Mouse PTZ mode to control e-Map video streams                     |

**• PTZ**

|                         |  |
|-------------------------|--|
| Control                 | Pan, tilt and zoom controls; speed control; both buttons and mouse controls                      |
| Preset Points and Tours | Create preset points; create auto tours between preset points                                    |
| Number of Preset Points | 32   |
| Joystick                | USB based joystick supported   |
| Default Protocol        | Auto-detect camera's PTZ protocol. Available protocols: ACTi, Pelco-P, Pelco-D, Dynacolor, Visca |

**• Recording**

|                        |  |
|------------------------|--|
| Recording Throughput   | Maximum total bitrate 300 Mbps<br>Example: 200 Channels: 1MP, 15fps, H.264, 1.5Mbps<br>150 Channels: 2MP, 15fps, H.264, 2Mbps<br>100 Channels: 2MP, 30fps, H.264, 3Mbps<br>75 Channels: 5MP, 15fps, H.264, 4Mbps |
| Scheduled Recording    | Record video with user defined schedule  |
| Event Recording        | Record video when the alarm event is triggered, including the pre-event buffered video clip  |
| Speed Up               | Different recording frame rate settings for non-event and triggered event  |
| Manual Recording       | Instant recording upon mouse click   |
| Dual Stream Management | Recording of stream 1 or stream 2 of dual stream devices   |
| Recording Frame Rate   | Max 6000 fps total; Max 30 fps per camera  |

**• Storage**

|                          |  |
|--------------------------|--|
| Interface                | Serial ATA                               |
| Bundled System HDD       | Seagate 500GB 3.5" SATA HDD              |
| HDD Bay                  | 8 (1 bay is occupied by system HDD)      |
| RAID Level               | Hardware RAID 0, 1, 5, 10                |
| External Storage Support | eSATA, iSCSI, USB mass storage (USB 2.0) |

**• Search & Playback**

|                          |   |
|--------------------------|---|
| Time Based Video Search  | Search video recordings by time or channel  |
| Event Based Video Search | Search alarm triggered video recordings   |
| Playback Control         | Continuous forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop |
| Synchronized Playback    | Up to 9 channels for local display; up to 64 channels for remote client                         |
| Manual Snapshot          | Instant snapshot from playback upon mouse click   |
| Digital Zoom             | Zoom in/out digitally by PiP (Picture-in-Picture)   |
| Video Cropping           | Crop a short video clip from long recording file and save it as an independent file             |
| Video Export             | Export video clips in AVI or RAW format; text overlay supported                                 |

**• Event Management**

|                        |   |
|------------------------|---|
| Event Trigger          | Video motion detection; Passive IR sensor; External device through digital input; Video loss and recovery; Network loss and recovery; Server loss and recovery; Disk full; Disk not found   |
| Event Response         | Record video; Pop-up window with live video; Switch to hotspot window; Play beep sound; Activate external device through digital output; Upload snapshot to FTP server; Execute system command to activate other programs; E-mail notification with snapshots; Command a PTZ device to go to a preset point |
| Manual Event Scheduler | Manually activate external devices through digital output via live view monitor<br>Define the schedule of event manager   |

\* All specifications are subject to change without notice.

\* All brand names and registered trademarks are the property of their respective owners.

www.acti.com



# INR-420

**• System**

|                    |  |
|--------------------|--|
| Permission Control | Multi-group/users, liveview/playback/setup/remote level permission |
| Operating System   | Windows Embedded Standard 7  |
| Language           | Multi-language support   |

**• Remote Access**

|                                     |   |
|-------------------------------------|---|
| PC Client Program                   | User interface program (Workstation) with live view, PTZ, playback, e-Map, event management, setup  |
| PC Web Browser                      | Microsoft Internet Explorer 8.0, 9.0 or 10.0 with live view, PTZ, playback, event management, setup   |
| Mobile Client Program               | Mobile device application (Active Mobile Client) supports live view, PTZ control, event or time based search and playback<br>Supported devices: iPhone, iPad, iTouch and Android device |
| Remote Client PC System Requirement | 1-16 channels: Intel Core 2 Quad 2.4GHz, 4GB RAM<br>17-64 channels: Intel Core i7-920 2.67 GHz, 4GB RAM   |

**• Hardware**



|                            |   |
|----------------------------|---|
| CPU                        | Intel Processor   |
| RAM                        | 8GB   |
| Dimensions (W x H x D)     | 88 mm x 482 mm x 560 mm (3.5" x 19" x 22.1")                    |
| Weight                     | 11.42kg (with HDD*1 & front bezel)                              |
| Operating Temperature      | 0°C~ 40°C (32°F ~ 104°F)  |
| Operating Humidity         | 10% ~ 85% RH  |
| Power Source / Consumption | 110V~220V AC 50/60Hz / 85 W                                     |
| Optional Accesories        | Sliding rail for rack mounting                                  |
| Approvals                  | CE (EN 55022 Class B, EN 55024), FCC (Part15 Subpart B Class B) |
| USB                        | USB 2.0, 8 ports (2 front ports, 6 rear ports)                  |
| Ethernet Port              | 2, Gigabit Ethernet ports (1000 Base-T), RJ-45 connector        |
| eSATA Port                 | 1   |
| Display Port               | 2 HDMI, 1 VGA   |

**• Integration**

|                        |  |
|------------------------|--|
| Unified Solution       | Fully compatible with ACTi cameras, encoders, central management system, TV wall and intelligent video surveillance software |
| Open Platform Solution | Support ONVIF compliant devices  |

## ACCESSORY OPTIONS

### Mounting Solutions

|           |   |                  |
|-----------|---|------------------|
| PMAx-1200 |  | 19" sliding rail |
| PMAx-1201 |  | 26" sliding rail |