

NVR 3 Enterprise

ACTi Network Video Recorder



- Manage up to 100 cameras or video encoders (Expandable to unlimited cameras via CMS)
- Recording up to 100 Channels
- Live view local up to 64 Channels, remote up to 64 Channels
- Synchronized playback local up to 64 Channels
- Redundancy Server mode for backup automatically
- Export video with RAW and AVI formats
- Event trigger, response and notification
- Mobile Client, Web Client, Workstation
- Location-based management with eMap
- 16-channel free license included
- Non-ACTi camera support via licensed camera Device Pack

SPECIAL FEATURES

Up to 64 channels synchronized playback

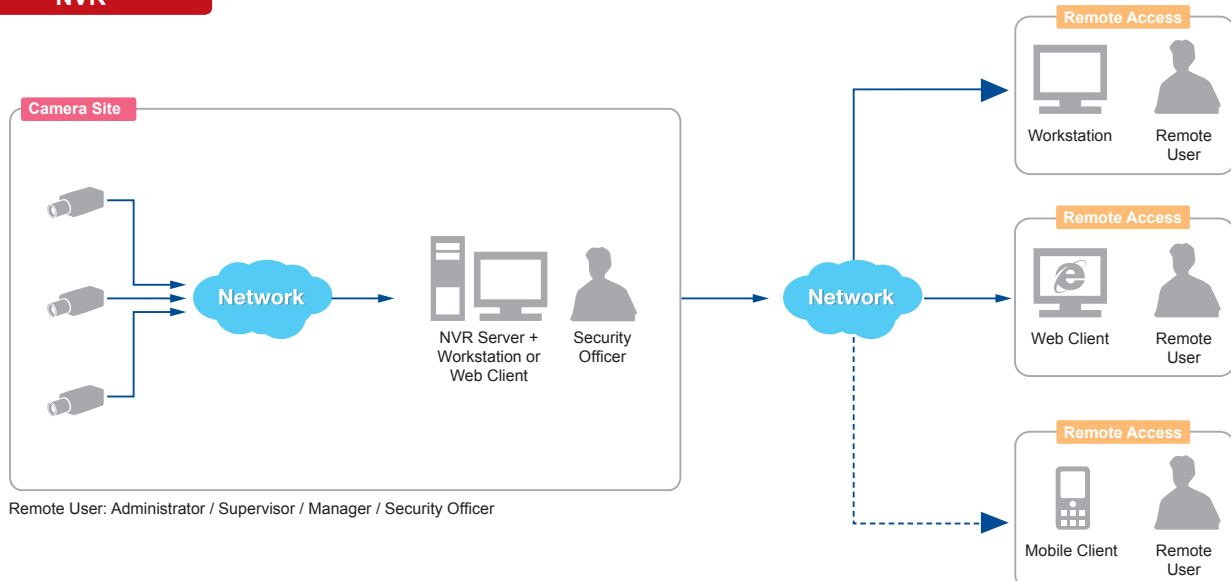


Instant playback in live view window



SOLUTION ARCHITECTURE

NVR



NVR 3 Enterprise

PRODUCT SPECIFICATION

NVR 3 Enterprise

| | | | |
|--------------------------------|---|------------------------------------|--------------------------------|
| • General | | | |
| Full Name | ACTi Network Video Recorder 3 Enterprise | | |
| Maximum Number of Clients | 1 local, unlimited remote (recommended up to 5) | | |
| Maximum Number of Cameras | 100 (Expandable to unlimited cameras via CMS) | | |
| Free License | 16 channels for ACTi devices, 1 channel for third-party device | | |
| Compression Mode | H.265, H.264, MPEG-4, MJPEG | | |
| | NVR 3 Server; Redundancy Server (See page 3) | | |
| • Live View | | | |
| Display Layout Mode | 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 | | |
| Device Panel | Drag and drop video source from device panel into display layout; display camera status | | |
| Digital Zoom | Zoom in/out digitally by mouse scroll wheel or by zoom control buttons | | |
| 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 between server and client or when the allocated disk space is full | | |
| 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 | | |
| Setup | e-Map image upload; camera positioning; vision angle and pointed direction of camera; view positioning; source positioning | | |
| PTZ Mode | Mouse PTZ mode to control e-Map video streams | | |
| • PTZ | | | |
| Control | Pan, tilt and zoom controls; speed control; both buttons and overlay controls | | |
| Preset Points and Tours | Create preset points; create auto tours between preset points | | |
| Number of Preset Points | 32 | | |
| Joystick | USB based joystick supported | | |
| Support Protocol | Auto-detect camera's PTZ protocol. Available protocols: ACTi, Pelco-P, Pelco-D, Dynacolor, Visca | | |
| • Recording | | | |
| 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 | | |
| Pre-Event Recording | User-defined time period to record before event occurs, and the maximum buffer is 60 seconds (default 5 seconds) | | |
| Post-Event Recording | User-defined time period to record after event occurs, and the maximum buffer is 3600 seconds (default 30 seconds) | | |
| Dual Stream Management | Recording of stream 1 or stream 2 of dual stream devices | | |
| • Search & Playback | | | |
| Recording Search | Search video recordings by time, event, channel, bookmark and listed as clickable thumbnails for full-size view and snapshot download | | |
| Playback Control | Continuous forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop | | |
| Synchronized Playback | 64 channels | | |
| Manual Snapshot | Instant snapshot from playback upon mouse click | | |
| Digital Zoom | Zoom in/out digitally by PiP (Picture-in-Picture) | | |
| 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 | Manually activate external devices through digital output via live view monitor | | |
| Event Handling | Define the schedule of event manager | | |
| • Video Analytics | | | |
| Smart Search | Smart search of recorded video by Motion Detection and Tamper | | |
| • System | | | |
| Permission Control | Unlimited number of users, Active Directory, Customizable permissions for user groups, Playback password protected, Password validity period | | |
| Language | Multi-language support | | |
| Language Import/Export | Possibility to import or export language packs for convenient local language management | | |
| Customizable User Interface | Define the layout of user interface for live view and playback | | |
| Quick Setup | Configure basic settings of NVR | | |
| GPS Position | Manual setting | | |
| • 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 with live view, PTZ, playback, e-Map, event management, setup | | |
| Mobile Client Program | Mobile device application (Active Mobile Client) supports live view, PTZ control, event or time based search and playback Supported devices: iPhone, iPad, iTouch and Android device | | |
| Display Mode | Live Layout | Minimum | Recommended |
| Server PC with Local Client | 1-16 | Intel Core 2 Quad 2.4 GHz, 4GB RAM | Intel i5 2.4 GHz, 4GB RAM |
| | 17-64 | Intel i5 2.4 GHz, 4GB RAM | Intel i7-920 2.67 GHz, 4GB RAM |
| Server PC without Local Client | 0 | Intel Core 2 Quad 2.4 GHz, 4GB RAM | Intel i5 2.4 GHz, 4GB RAM |
| | 1-16 | Intel Core 2 Quad 2.4 GHz, 4GB RAM | Intel i5 2.4 GHz, 4GB RAM |
| Remote Client PC | 17-64 | Intel i5 2.4 GHz, 4GB RAM | Intel i7-920 2.67 GHz, 4GB RAM |
| | PC Operating System | | |
| PC Web Browser | Windows 7, Windows 8, Windows 10, Windows Server 2008, Windows Server 2012 Internet Explorer 10, Internet Explorer 11 | | |

* These specifications are based on following camera settings:
Single stream mode: 1280x1024, 3Mbps, 18fps, MJPEG-4;
Dual stream mode: Stream 1 - 1280x1024, 3Mbps, 18fps, H.264 / Stream 2 - 640x480, High Quality, 18fps, MJPEG
For more details about system requirements, please refer to Project Planner on www.acti.com

• 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 | | | |
| ISV CMS Integration | Software Development Kit (SDK) available | | | |
| Licensing Part Numbers | Description | Free Channel Bundled | Maximum Number of Channels | Part Number |
| | ACTi video device license | 16 | 100 | LNVR3001 |
| | Third-party video device integration license | 1 | | LCDP1000 |

Redundancy Server

• General

| | |
|---------------------------|----|
| Maximum Number of NVRs | 16 |
| Concurrent Recording NVRs | 1 |

• Failover Service

| | |
|---------------------------|--|
| NVR Status Monitoring | Check NVRs' status every 5 seconds |
| Failover Initiation Time | Minimum 10 seconds |
| Data Auto Synchronization | As soon as the failed NVR is recovered, the recorded video data will be transferred to the NVR immediately |

• Supported NVR Functions

| | |
|-------------------|-----|
| Live View | |
| PTZ | Yes |
| Recording | Yes |
| Event Management | Yes |
| Search & Playback | Yes |
| Video Analytics | Yes |
| Remote Access | Yes |

• Integration

| | | | | |
|------------------------|----------------------|----------------------|----------------------------|-------------|
| Licensing Part Numbers | Description | Free Channel Bundled | Maximum Number of Channels | Part Number |
| | NVR 3 Server license | 0 | 16 | LRDS3000 |

• Solution Architecture

Redundancy Server

