

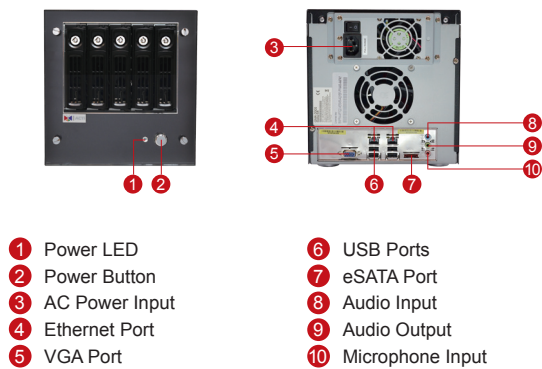
# GNR-3000

## 64-Channel Desktop Standalone NVR

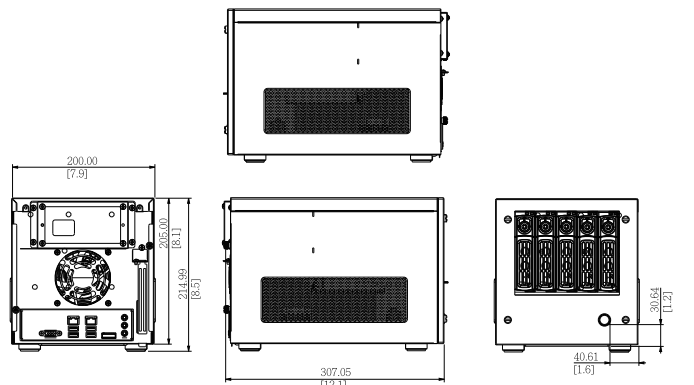


- Manage up to 64 IP cameras or video encoders
- Support H.264/MPEG-4/MJPEG formats up to 5-Megapixel resolution
- Live view layouts for 4:3 monitor and 16:9 wide screen monitor
- Instant playback in live view window
- PTZ and speed control, preset points and tours, mouse PTZ
- E-maps with camera icons and mini live view
- Dual stream management
- Scheduled, event triggered and manual recording
- Time and event based search
- Up to 64-channel synchronized playback
- Event management with motion detection and DI/DO
- Two-way audio, multi-channel audio broadcast
- Customizable user interface

### PHOTO INDICATION



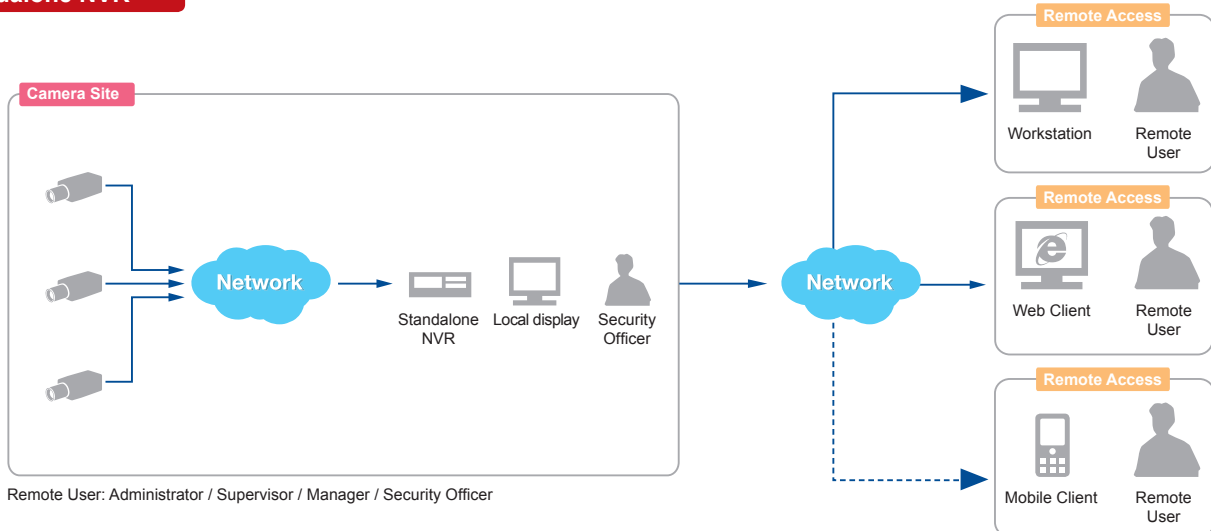
### DIMENSION DIAGRAM



Unit: mm [inch]

### SOLUTION ARCHITECTURE

#### Standalone NVR



**PRODUCT SPECIFICATION****GNR-3000****• General**

|                                  |   |
|----------------------------------|---|
| Full Name                        | ACTi Standalone Network Video Recorder GNR-3000 |
| Maximum Number of Clients        | 4* (without local client)                       |
| Maximum Number of Cameras        | 64  |
| Free License                     | 64 Channels                                     |
| Compression                      | H.264, MPEG-4, MJPEG                            |
| Maximum local display resolution | 1920x1200                                       |

**• Live View**

|                             |   |
|-----------------------------|---|
| Display Layout Mode         | 4:3 monitor: 1, 4, 5, 6, 8, 9, 10, 16, 25, 36, 49, 64<br>16:9 wide screen monitor: 1, 4, 6, 9, 12, 18, 24, 35, 48, 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**

|                              |   |
|------------------------------|---|
| 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 1920 fps total; Max 30 fps per camera   |
| Maximum Recording Throughput | 384 Mbps  |

**• Storage**

|                          |  |
|--------------------------|--|
| Interface                | Serial ATA                               |
| HDD Bay                  | Maximum 5 disks (1 system disk included) |
| External Storage Support | iSCSI, eSATA, USB mass storage           |

**• 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;<br>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;<br>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  |

**• System**

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

# GNR-3000

Standalone NVR

## • 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 or 9.0 with live view, PTZ, playback, event management, setup  |
| Mobile Client Program | Mobile device application (MobileGo) supports live view, PTZ control, event or time based search and playbackSupported devices: iPhone, iPad, iPod Touch |
| Remote Client PC      | 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

|                            |   |
|----------------------------|---|
| Dimensions (W x H x D)     | 200 mm x 215 mm x 313.5 mm ( 7.9" x 8" x 12")                   |
| Weight                     | 3.88 kg (8.55 lb) without HDD                                   |
| Operating Temperature      | 0°C~ 40°C(32°F ~ 104°F)   |
| Operating Humidity         | 10% ~ 85% RH  |
| Power Source / Consumption | 110V~220V AC 50/60Hz /200W                                      |
| Approvals                  | CE (EN 55022 Class B, EN 55024), FCC (Part15 Subpart B Class B) |
| USB                        | USB 2.0, 4 ports  |
| Ethernet Port              | 2, Ethernet (1000 Base-T), RJ-45 connector                      |
| Display port               | VGA   |

## • Integration

|                  |   |
|------------------|---|
| Unified Solution | Fully compatible with ACTi cameras, encoders and CMS2.0 |
|------------------|---|