

200-Channel 8-Bay RAID Rackmount Standalone NVR



NVR-5500

H/W Version: 1

Key Features

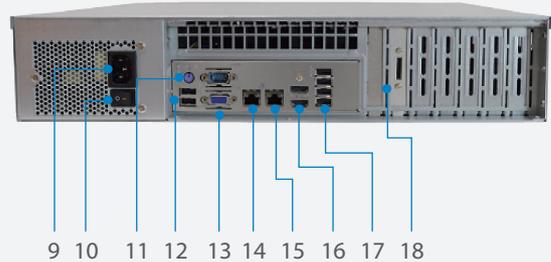
- 8-bay Rackmount (2U) with hardware RAID (0,1, 5,10)
- Manage up to 200 cameras or video encoders
- Recording up to 200 Channels
- Live view local up to 16-channel, remote up to 64-channel
- Synchronized playback local up to 9-channel, remote up to 64-channel
- Export video with RAW and AVI formats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

Front View & Rear View



- 1. Power Failure
- 2. System Overheat
- 3. LAN 2
- 4. LAN 1

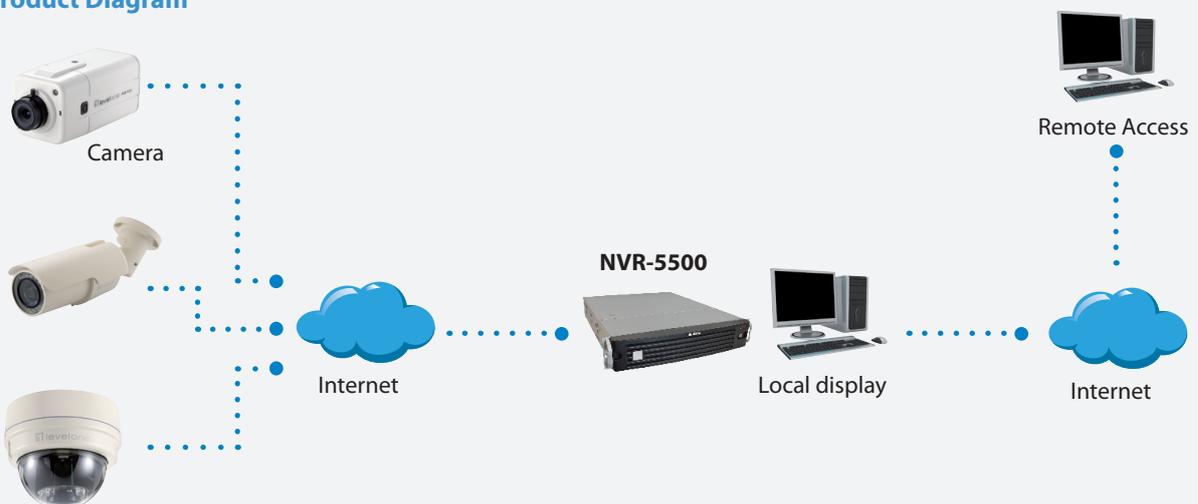
- 5. System Activity
- 6. System Power
- 7. Reset Button
- 8. Power Button



- 9. AC Power Connector
- 10. Power Switch
- 11. PS/2 Connector
- 12. USB Port 2.0 Ports
- 13. VGA Connector

- 14. LAN 1
- 15. LAN 2
- 16. HDMI Port
- 17. USB Port 2.0 Ports
- 18. eSATA Port

Product Diagram



Technical Specification

NVR-5500

• General

| | |
|--|---|
| Full Name | 200-Channel 8-Bay RAID Rackmount Standalone NVR |
| 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

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|-----------------------------|---|
| Display Layout Mode | Local: 1, 4, 5, 6, 8, 9, 10, 12, 16 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 PatrolA | 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 TreeD | 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 AudioA | 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 |
| Setupe | -Map image upload; camera positioning; map linking |
| PTZ Mode | Mouse PTZ mode to control e-Map video streams |

• PTZ

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|--------------------------------------|---|
| ControlP | pan, tilt and zoom controls; speed control; both buttons and mouse controls |
| Preset Points and ToursC | Create preset points; create auto tours between preset points |
| Number of Preset Points ³ | 2 |
| Joystick | USB based joystick supported |
| Default Protocol | Auto-detect camera's PTZ protocol. Available protocols: LeveOne, Pelco-P, Pelco-D, Dynacolor, Visca |

• Recording

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|------------------------|--|
| Recording Throughput | Maximum total bitrate 300 Mbps Example: 200 Channels: 1MP, 15fps, H.264, 1.5Mbps 150 Channels: 2MP, 15fps, H.264, 2Mbps 100 Channels: 2MP, 30fps, H.264, 3Mbps 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

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|---------------------------|---|
| 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 Supporte | SATA, iSCSi, USB mass storage (USB 2.0) |

• Search & Playback

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|--------------------------|---|
| Time Based Video Search | Search video recordings by time or channel |
| Event Based Video Search | Search alarm triggered video recordings |
| Playback ControlC | 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 ExportE | Export video clips in AVI or RAW format; text overlay supported |

• Event Management

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|----------------|---|
| 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 |
| Scheduler | Define the schedule of event manager |

• System

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

• Remote Access

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|-------------------------------------|---|
| 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 Supported devices: iPhone, iPad, iTouch and Android device |
| Remote Client PC System Requirement | 1-16 channels: Intel Core 2 Quad 2.4GHz, 4GB RAM 17-64 channels: Intel Core i7-920 2.67 GHz, 4GB RAM |

• Hardware

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|-----------------------------|---|
| CPU | Intel Processor |
| RAM | 8GB |
| Dimensions (W x H x D) | 889 mm x 437 mm x 5334 mm (3.5" x 17.2" x 21") |
| Weight | 11.42kg (with HDD*1 & front bezel) |
| Operating Temperature0 | °C~ 40°C (32°F ~ 104°F) |
| Operating Humidity | 10% ~ 85% RH |
| Power Source / Consumption1 | 10V~220V AC 50/60Hz / 85 W |
| Optional AccesoriesS | liding 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 Port2 | Gigabit Ethernet ports (1000 Base-T), RJ-45 connector |
| eSATA Port | 1 |
| Display port | 2 HDMI, 1 VGA |

Order Information

NVR-5500: 200-Channel 8-Bay RAID Rackmount Standalone NVR

Optional Accessory

CAS-1210 19" sliding rail

CAS-1211 26" sliding rail