WELCOME THE FUTURE OF
HIGH DEFINITION VIDEO RECORDING

View your world in more detail than ever with real-time 4K HD recording for 4x the detail of 1080p. 4K video output lets you view multiple HD channels in full resolution on a 4K TV. The NVR’s Power over Ethernet ports make setup quick and easy, with one cable installation per camera that provides both power and HD video.

Lorex Secure™

NR900X Series NVRs
FEATURES:

- Real-time recording up to 8MP on all channels – 4× the detail of 1080p
- Supports industry-leading 4K recording
- 8/16 built in PoE (Power over Ethernet) ports providing video and power over a single Ethernet cable
- RapidRecap® – see the day in a minute with hours of activity compiled into a short video summary
- Lorex Secure™ apps for live viewing, playback, video recording & snapshots (iPhone® / iPad® / Android™)
- PC and Mac compatible – FLIR Cloud™ video management software gives you complete control over your security system from anywhere
- 24/7 security-grade pre-installed hard drive
- Expandable high capacity storage up to 16TB (2×8TB HDD)
- Automatically detects compatible IP cameras in the network
- 4K video output – view multiple HD channels at once in full resolution on a 4K TV
- H.265 / H.264 video compression offers reduced file size and improved network performance for remote viewing
- Mirror hard drive recording – secure your recordings by backing up footage to an internal hard drive at the same time as recording to the primary hard drive
- Pentaplex Operation – view, record, playback, back up & remotely control the system simultaneously
- Click-and-drag digital zoom in live view and playback
- Convenient front panel button controls
- Accurate time stamps with NTP & daylight savings time
- Instant backup of live video to a USB flash drive
- Automatic firmware upgrade over the Internet ensures your system remains up-to-date
- Push notifications of motion events
- Instant email alerts with snapshot attachment
- Multi-streaming to conserve bandwidth
- Continuous, scheduled, and motion recording
- Dual video outputs (HDMI and VGA) to connect multiple monitors
- HDMI cable included for simple connection to HD & 4K TVs
### SYSTEM

**Operating System**  
Linux (embedded)

**Pentaplex**  
Simultaneous View, Record, Playback & Remote Monitoring

**Number of Channels**  
8/16/32 Channels

**Inputs/Outputs**

| Video IN | 8ch: 8 PoE Video Input  
16/32ch: 16 PoE Video Input |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Video OUT</td>
<td>No</td>
</tr>
<tr>
<td>VGA OUT</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**HDMI** | Yes

**Audio IN** | 1 Line IN (RCA) for service only

**Audio OUT** | 1 Line OUT (RCA) for service only

**USB Port** | 1 at the back, 1 at the front

**Alarm IN** | 4 Alarm IN

**Alarm OUT** | 2 Alarm OUT

**Video Output Resolution**  
3840x2160, 1920x1080, 1280x1024, 1280x720, 1024x768

**PTZ control**  
Lorex IP PTZ cameras only

**Display**  
8ch: 1/4/8
16ch: 1/4/8/9/16
32ch: 1/4/8/9/16/25/36

**Live Display Speed**  
8ch: 240fps NTSC / 200fps PAL
16ch: 480fps NTSC / 400fps PAL
32ch: 960fps NTSC / 800fps PAL

**OSD**  
ON/OFF

**System Navigation**  
USB Mouse, IR Remote Control, Front Panel Buttons

**Motion Area Setting**  
Fixed Grid (22x18)

**Sensitivity Levels**  
100

**Firmware Upgrade**  
Automatic over the Internet & via USB device and network

**User Authority**  
By user group

**Time Synchronization**  
Automatic time sync by NTP server

### RECORDING

**Video Compression**  
H.264 / H.265

**Audio Compression**  
G.711

**Resolution**  
Up to 4K (3840x2160), 1080p (1920x1080)

**Record Rate**

<table>
<thead>
<tr>
<th>8ch</th>
<th>1080p</th>
<th>720p</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>240/200</td>
<td>30</td>
</tr>
<tr>
<td>Per channel</td>
<td>30/25</td>
<td>30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>16ch</th>
<th>1080p</th>
<th>720p</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>480/400</td>
<td>60</td>
</tr>
<tr>
<td>Per channel</td>
<td>30/25</td>
<td>30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>32ch</th>
<th>1080p</th>
<th>720p</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>960/800</td>
<td>96</td>
</tr>
<tr>
<td>Per channel</td>
<td>30/25</td>
<td>30</td>
</tr>
</tbody>
</table>

**Recording Resolution Setting**  
Per camera for different resolutions

**Recording Quality Control**  
6 Levels

**Recording Schedule**  
By hour, by day, by recording mode, by motion, by alarm, by channel

**Pre Recording**  
Max. 4 Secs

**Post Recording**  
Max. 5 Minutes

**Reliability**  
Watch-Dog, auto-recovery after power failure

**Covert Video**  
Yes

### PLAYBACK

**Playback Channel**  
1CH/4CH/8CH/4K, 8CH/4MP, 16CH/8MP

**Playback Speed**  
Variable Max. 1.6x

**Playback Players**  
Backup Player

**Search**  
By Time & Event

**Log Search**  
Up to 1,000 lines for motion detected, configuration changes, connects/disconnects and video loss

**Audio Play**  
Yes (audio camera required)

### STORAGE & ARCHIVE

**Storage**  
Up to 2 HDDs (SATA)

**Maximum Capacity**  
Up to 2x8TB (16TB Max)

**Backup Media**  
USB Flash Drive & HDD

**Backup File Format**  
DAV or ASF File

### CONNECTIVITY

**Cloud Connection**  
Lorex Secure™

**Supported Operating Systems**  
Windows™ / Mac OS X

**Remote Software**  
Client Software (PC & Mac)

**Email Notification**  
Test with snapshot

**Instant Smart Phone & Tablet**  
Android™, iPad ®, iPhone ®

**DDNS**  
Free Lorex DDNS

**System Configuration**  
Full setup configuration over network

**Ports**  
Programmable by User

**Network Protocol**  
HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter

**Network Interface**  
10/100/1000Base-TX, RJ-45

**Network Bit Rate**  
320Mbps total, 48–8192kbps per camera

### GENERAL

**Power Consumption**  
Approx. 15W (no HDD included)

**Supply Voltage**  
100VAC-240VAC, 50/60Hz

**Total PoE Power Output**  
130W (Max 25W per Camera)

**Unit Dimensions**  
14.7 × 12.9 × 2.1" / 375 × 327 × 53mm

**Unit Weight**  
8ch: 5.1lbs / 2.6kg
16/32ch: 13.2lbs / 5.9kg

**Operating Temperature**  
14° – 131°F / -10° – 55°C

**Humidity**  
10 – 90% RH

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**RECORDING RESOLUTION (PIXELS) & MAXIMUM SPEED (FPS - FRAMES PER SECOND)**

<table>
<thead>
<tr>
<th>720p</th>
<th>1080p</th>
<th>3MP</th>
<th>SUPER HD 4MP</th>
<th>4K</th>
</tr>
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<tbody>
<tr>
<td>1280x720</td>
<td>1920x1080</td>
<td>2048x1536</td>
<td>2688x1520</td>
<td>3840x2160</td>
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<tr>
<td>240</td>
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</table>
**Product Information:**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CONFIGURATION</th>
<th>PACKAGE</th>
<th>W x D x H Inches &amp; millimeters</th>
<th>WEIGHT</th>
<th>CUBE</th>
<th>UPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR9082X</td>
<td>8-Channel 4K HD NVR with 2TB HDD</td>
<td>Brown Box</td>
<td>18.5 × 6.9 × 16.7” / 470 × 175 × 425mm</td>
<td>11.6 lbs / 5.3 kg</td>
<td>1.3 cbf / 0.04 cbm</td>
<td>6-95529-01892-8</td>
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<tr>
<td>NR9183X</td>
<td>16-Channel 4K HD NVR with 3TB HDD</td>
<td>Brown Box</td>
<td>18.5 × 6.9 × 16.7” / 470 × 175 × 425mm</td>
<td>11.8 lbs / 5.3 kg</td>
<td>1.3 cbf / 0.04 cbm</td>
<td>6-95529-01893-5</td>
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<tr>
<td>NR9326X</td>
<td>32-Channel 4K HD NVR with 6TB HDD</td>
<td>Brown Box</td>
<td>18.5 × 6.9 × 16.7” / 470 × 175 × 425mm</td>
<td>12.4 lbs / 5.6 kg</td>
<td>1.3 cbf / 0.04 cbm</td>
<td>6-95529-01894-2</td>
</tr>
</tbody>
</table>

Includes: 4K HD NVR with pre-installed HDD, 1× HDMI Cable, 1× Ethernet Cable, 1× Power Adapter, 1× Mouse, 1× Remote Control, Quick Start Guides

**Disclaimers:**

1. 8MP IP cameras are required to take advantage of 4K recording.
2. Requires a high speed internet connection and a router (not included). A minimum upload speed of 3.5Mbps is required for the best video performance. Up to 3 devices may connect to the system at the same time. For the latest list of supported apps and devices, please visit [www.lorex.com/support](http://www.lorex.com/support).
3. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
4. Compatible with Lorex PoE HD IP cameras only. For a list of compatible cameras, please visit [www.lorex.com/support](http://www.lorex.com/support).
5. Mirror recording requires a second hard drive (not included) to be installed in the NVR. Mirrored hard drive must be as large or larger than the primary hard drive to backup all recordings. Backup begins from when the mirrored hard drive is installed and configured.
6. Both firmware and software must be updated to latest version to ensure remote connectivity. Firmware updates are pushed to the NVR automatically over the Internet (available at [www.lorex.com](http://www.lorex.com)). Always update to the latest software after upgrading the NVR firmware.