WELCOME THE FUTURE OF HIGH DEFINITION VIDEO RECORDING

View your world in more detail than ever with 4K HD recording for 4× the detail of 1080p. 4K video output lets you view live and recorded video 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.
FEATURES:

- Supports real-time recording up to 8MP on all channels – 4× the detail of 1080p @ up to 25/30fps
- Supports industry-leading 4K recording
- 8 built-in PoE (Power over Ethernet) ports providing video and power over a single Ethernet cable
- Lorex Secure™ app for live viewing, playback, video recording & snapshots (iPhone® / iPad® / Android™)
- PC and Mac compatible – Lorex 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 8TB
- Automatically detects compatible IP cameras in the network
- 4K video output – view multiple HD channels in full resolution on a 4K TV
- H.265 / H.264 video compression offers reduced file size, improved storage and network efficiency
- 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 is secure and 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**: View, Record, Playback, Backup & Remote Monitoring
- **Number of Channels**: 8 Channels

**Inputs/Outputs**
- **Video IN**: 8ch: 8 PoE Video Input
- **BNC OUT**: No
- **VGA OUT**: Yes
- **HDMI OUT**: 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**: None
- **Alarm OUT**: None
- **Video Output Resolution**: 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768

**PTZ control**: Lorex IP PTZ cameras only

**Display**
- **8ch**: 1/4/8
- **Live Display Speed**: 8ch: 240fps NTSC / 200fps PAL
- **OSD**: ON/OFF
- **System Navigation**: USB Mouse, IR Remote Control, Front Panel Buttons
- **Motion Area Setting**: Fixed Grid (22×18)
- **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**: 4K (MP) ~ 720p
- **Record Rate**: 8ch: up to 240fps @720p/1080p/3MP/4MP/8MP
- **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**: 1/4
- **Playback Speed**: Variable Max 16x
- **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 1 HDDs (SATA)
- **Maximum Capacity**: Up to 1×8TB
- **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**: Text with snapshot
- **Instant Smart Phone**: Android™, iPad ®, iPhone ® & Tablet
- **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-Base-TX, RJ-45

**GENERAL**
- **Power Consumption**: Approx. 8.3W [no HDD included]
- **Supply Voltage**: 100VAC-240VAC, 50/60Hz, DC48V/2A
- **Total PoE Power Output**: 80W [Max 25.5 per camera]
- **Unit Dimensions**: 12.8 × 10.1 × 2.2” [W × D × H]
- **Unit Weight**: 8ch: 3.53lbs / 1.6kg
- **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></th>
<th>720p</th>
<th>1080p</th>
<th>3MP</th>
<th>SUPER HD 4MP</th>
<th>4K</th>
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</thead>
<tbody>
<tr>
<td><strong>8ch</strong></td>
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<tr>
<td><strong>Total</strong></td>
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<td>240</td>
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<tr>
<td><strong>Per channel</strong></td>
<td>30</td>
<td>30</td>
<td>30</td>
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</tbody>
</table>

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LNR6100 Series NVRs  
www.lorextechnology.com
NVR Inputs & Outputs

8 Channel

Dimensions:

Product Information:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CONFIGURATION</th>
<th>PACKAGE</th>
<th>W × D × H Inches &amp; millimeters</th>
<th>WEIGHT</th>
<th>CUBE</th>
<th>UPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNRB1082T</td>
<td>8-Channel 4K HD NVR with 2TB HDD</td>
<td>Brown Box</td>
<td>18.5 × 6.9 × 18.7 / 470 × 175 × 425mm</td>
<td>11.6lbs / 5.3kg</td>
<td>1.3cbf / 0.04cbm</td>
<td>6-95529-01340-4</td>
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<tr>
<td>LNRB1083T</td>
<td>8-Channel 4K HD NVR with 3TB HDD</td>
<td>Brown Box</td>
<td>18.5 × 6.9 × 18.7 / 470 × 175 × 425mm</td>
<td>11.6lbs / 5.3kg</td>
<td>1.3cbf / 0.04cbm</td>
<td>6-95529-01491-3</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 Setup 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.lorextechnology.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.lorextechnology.com/compatibility
5. 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.lorextechnology.com). Always update to the latest software after upgrading the NVR firmware.

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