HIGH DEFINITION
PEACE OF MIND

FULL 1080p HD VIEWING & RECORDING
INTEGRATED POWER OVER ETHERNET (PoE)
REAL-TIME HD1080p RECORDING
FREE REMOTE CONNECTIVITY
HDMI & VGA OUTPUTS

Remote Connectivity & Compatibility

FULL-HD SERIES
4/8 CHANNELS
1TB OR 2TB
1080p RESOLUTION
4 OR 8 INTEGRATED PoE PORTS
HDMI

FULL HD 1080

www.lorextechnology.com
EVIDENCE IS KEY, SEE IT ALL IN netHD
View your world like never before, security at its best with High Definition (1080p) video and amazing digital zoom.

VIEW FROM ANYWHERE IN THE WORLD
Dual streaming allows for bandwidth efficient streaming to your mobile devices while recording HD quality to the NVR.

SIMPLE PLUG & PLAY INSTALLATION
Using integrated power & data over Ethernet (PoE) cables saves space and time.

LARGE CAPACITY STORAGE
Capture and store high definition video on a reliable surveillance grade hard drive.
FULL HD NETWORK VIDEO SURVEILLANCE RECORDER

NETWORK VIDEO RECORDER FEATURES:

- FULL HD1080p resolution
- Real-time Recording (30fps) on each channel at 1080p resolution
- Simultaneous playback and live view on the same screen
- Selectable area zoom during live and playback display
- Easy camera installation using Power over Ethernet (CAT5) cable
- 24/7 100% duty cycle hard disc drive
- Expandable high capacity storage - up to 8TB (2 x HDD up to 4TB each)
- 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
- HDMI output resolution 1080p & VGA output for simple connection to HDTVs (HDMI cable included)
- Pentaplex operation - view, record, playback, backup & remotely control the system simultaneously

CONNECTIVITY FEATURES:

- Instant mobile viewing on compatible smartphones
- Dedicated iPad® and Android tablet apps with multi-channel live viewing and playback
- Exclusive LOREX Easy Connect Internet Set-up Wizard
- Lorex netHD Client Software:
  - PC (Microsoft Windows™ 8, 7) compatible using client software (included) & web browser
  - Mac remote client software (included) and Safari web browser
- Free LOREX DDNS (Dynamic Domain Name Service) for advanced remote connectivity at all times
- Instant e-mail alerts with snap shot attachments of event and web link
## Specifications

### NVR:

**System**

- **Operating System**: Linux (embedded)
- **Pentaplex**: Simultaneous View, Record, Playback, Backup & Remote Monitoring
- **Number of Channels**: 4/8 Channels

### Inputs/Outputs

- **Video IN**: 4/8ch IP Video Input
- **VGA Out**: 1-ch, resolution: 1920 x 1080P /60Hz, 1600 x 1200 /60Hz, 1280 x 1024 /60Hz, 1280 x 720 /60Hz, 1024 x 768 /60Hz
- **HDMI**: 1-ch, resolution: 1920 x 1080P /60Hz, 1600 x 1200 /60Hz, 1280 x 1024 /60Hz, 1280 x 720 /60Hz, 1024 x 768 /60Hz
- **Audio IN**: 1-ch, RCA (2.0 Vp-p, 1kΩ)
- **Audio Out**: 1-ch, RCA (Linear, 1kΩ)
- **USB Port**: 2 USB Interface, 1 at the back, 1 at the front
- **PTZ control**: RS-485

### Display

- **Live Display**: 4ch: Up to 4, 8ch: Up to 8
- **Live Display Speed**: 120 (4 ch) / 240 (8 ch)
- **OSD**: Configurable
- **System Navigation**: USB Mouse, IR Remote Controller
- **Motion Area Setting**: Adjustable grid (22 X 18)
- **Sensitivity levels**: 7
- **Firmware Upgrade**: Via USB device and Network
- **Software Upgrade**: Via Lorex website
- **User Authority**: Configurable
- **Time Synchronization**: Auto time sync by NTP server

### Recording

- **Audio Compression**: G.711
- **Recording Resolution**: 1080P/720P
- **Recording Speed**: 4ch: 120fps @ 1080P, 8ch: 240fps @ 1080p
- **Recording Quality Control**: 6 levels
- **Recording Schedule**: By hour, by day, by recording mode, by motion, by ch
- **Pre Recording**: Max. 30 Secs
- **Post Recording**: Max. 10 Minutes
- **Reliability**: WatchDog, Auto-recovery after power failure

### Playback

- **4 Channel**: Max 4ch
- **Playback Speed**: Variable Max 8x
- **Playback Players**: Backup Players, Client Software
- **Search**: By time & event & tag
- **Log Search**: Up to 2,000 lines for motion detected, configuration changes, connects/disconnects and video loss.

### Storage & Archive

- **Storage**: 4/8 ch: Up to 2 HDD’s (SATA)
- **Maximum Capacity**: 4/8ch: Up to 8TB (2 x 4TB)
- **Backup Media**: USB Flash Drive & USB HDD
- **Backup File Format**: MP4

### Connectivity

- **Easy Connect**: Lorex Auto Port Forward Wizard
- **Supported Operating Systems**: Windows™ 8/7/Vista
- **Browsers**: Internet Explorer & Safari & Chrome & Firefox
- **Email notification**: Text with picture attached
- **Smart Phone Compatibility**: iPad®, iPhone®, Android Tablet (3.2 & above), Android phone (version 2.3 & above)
- **DDNS**: Lorex DDNS, IPServer, DynDNS, PeanutHull, NO-IP
- **System Configuration**: Full setup configuration over network
- **Ports**: Programmable by User
- **Network Protocol**: TCP/IP protocol, PPoE, DHCP, DNS, DDNS, NTP, SMTP, NFS, UPnP
- **Network Interface**: 1 RJ45 10 /100 /1000 Mbps self-adaptive Ethernet interface, 4/8 independent 10 /100 Mbps PoE Ethernet interfaces
- **Network Speed Control**: 32Kb ~ 8MB/sec.

### General

- **Power Consumption**: ≤ 15 W (without hard disk)
- **Supply Voltage**: 100~240VAC, 47~63Hz, 3A
- **Unit Dimensions (W x D x H)**: 445 x 290 x 45mm
- **Unit Weight (KGs)**: ≤ 2 Kg (without hard disk)
- **Operating temperature**: -10 ºC ~ +55 ºC
- **Humidity**: 10 % ~ 90 %
DVR Inputs & Outputs

4 Channel DVR

8 Channel DVR

Product Information:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CONFIGURATION</th>
<th>PACKAGE</th>
<th>W x D x H Inches &amp; mm</th>
<th>WEIGHT</th>
<th>CUBE</th>
<th>UPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNR241</td>
<td>4 ch NVR with 1TB HDD</td>
<td>Brown Box</td>
<td>487mm x 131mm x 394mm 19.1&quot; x 5.1&quot; x 15.5&quot;</td>
<td>4.5kg/x 10lbs</td>
<td>0.02cbm / 0.87cbf</td>
<td>7-78597-00241-6</td>
</tr>
<tr>
<td>LNR282</td>
<td>8 ch NVR with 2TB HDD</td>
<td>Brown Box</td>
<td>487mm x 131mm x 394mm 19.1&quot; x 5.1&quot; x 15.5&quot;</td>
<td>4.9kg/x 11lbs</td>
<td>0.02cbm / 0.87cbf</td>
<td>7-78597-00281-2</td>
</tr>
<tr>
<td>INCLUDES</td>
<td>NVR with Pre-Installed HDD, HDMI Cable, Remote Control, Power adapter, Mouse, Ethernet Cable, Quick Start Guide &amp; Software CD.</td>
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Dimensions:

<table>
<thead>
<tr>
<th>NVR</th>
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<tbody>
<tr>
<td>290mm/11.4&quot; D</td>
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<tr>
<td>45mm/1.8&quot;</td>
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<tr>
<td>445mm/17.5&quot; W</td>
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DISCLAIMERS:

1. Mirror recording requires a second hard drive (not included) be installed in the NVR. Mirror hard drive must be as large or larger than primary hard drive to backup all recordings. Backup begins from when mirror hard drive is installed and configured.

2. Instant Mobile Viewing on iPad®, iPhone®, Android (version 2.3 & above). Mobile phone data plan is required (not included). Router port forwarding required. For the latest smart phone compatibility list check www.lorextechnology.com as new smart phone models become available in the market.

3. Requires a high speed Internet connection and a router (not included).

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