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.
FEATURES:

- Real-time recording up to 8MP on all channels – 4× the detail of 1080p @ up to 25/30fps
- Supports industry-leading 4K recording ¹
- 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
- FLIR Secure™ apps for live viewing, playback, video recording & snapshots (iPhone®, iPad®, Android™) ²
- PC and Mac compatible – FLIR Cloud™ video management software gives you complete control over your security system from anywhere ²
- 24/7 security-grade pre-installed hard drive ³
- Expandable high capacity storage up to 12TB (max 2×6TB HDD)
- Automatically detects compatible IP cameras in the network ⁴
- 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 network strain for remote viewing ³
- 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 ⁵
- 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 ⁶
- 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

LNR600 Series NVRs

www.lorextechnology.com
4K ULTRA HD NETWORK VIDEO RECORDER
Specifications

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
Video OUT No
VGA OUT Yes
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 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
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 (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 720p [1280×720], 1080p [1920×1080] – 4K [3840×2160]
Record Rate 8ch: 240fps@720p/1080p/3MP/4MP/8MP
16ch: 480fps@720p/1080p/3MP/4MP/8MP
32ch: 960fps@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 1/4/8
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 2 HDDs (SATA)
Maximum Capacity Up to 6TB
Backup Media USB Flash Drive & HDD
Backup File Format DAV or ASF File

CONNECTIVITY
Cloud Connection FLIR Cloud™ / FUR Secure™
Supported Operating Systems Windows™ / Mac OS X
Remote Software Client Software (PC & Mac)
Email Notification Text with snapshot
Instant Smart Phone & Tablet 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, 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 [W × D × H] 14.7 × 12.9 × 2.1" / 375 × 327 × 53mm
Unit Weight 8ch: 5.1lbs / 2.6kg
16/32ch: 13.2lbs / 2.7kg
Operating Temperature 14° ~ 131°F / -10° ~ 55°C
Humidity 10 ~ 90% RH

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

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<th>SUPER HD 4MP</th>
<th>4K</th>
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4K ULTRA HD NETWORK VIDEO RECORDER

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>
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<tbody>
<tr>
<td>LNR6083</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>
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<td>16-Channel 4K HD NVR with 3TB HDD</td>
<td>Brown Box</td>
<td>18.5 × 6.9 × 18.7” / 470 × 175 × 425mm</td>
<td>11.9lbs / 5.4kg</td>
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<td>LNR6328</td>
<td>32-Channel 4K HD NVR with 8TB HDD</td>
<td>Brown Box</td>
<td>18.5 × 6.9 × 18.7” / 470 × 175 × 425mm</td>
<td>16.8lbs / 7.6kg</td>
<td>1.3cbf / 0.04cbm</td>
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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/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.lorextechnology.com). Always update to the latest software after upgrading the NVR firmware.