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
- 4/8 built in PoE (Power over Ethernet) ports providing video and power over a single Ethernet cable
- FLIR Cloud™ app 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 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

MOBILE VIEWING IN 3 EASY STEPS

1. INSTALL FREE APP
2. SCAN OR CODE
3. VIEW YOUR WORLD

www.lorextechnology.com
NR810 Series NVRs

4K ULTRA HD NETWORK VIDEO RECORDER
Specifications

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

Inputs/Outputs
Video IN 4ch: 4 PoE Video Inputs
8ch: 8 PoE Video Inputs
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 2 at the back
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
Live Display Speed 4ch: 120fps NTSC/100fps PAL
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 (1MP); 4MP [2560×1440]; 3MP [2048×1536]; 1080p [1920×1080]; 720p [1280×720]
Record Rate 4 ch: up to 120fps @ 720p/1080p/3MP/4MP/8MP
8 ch: 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

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

<table>
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<th>1080p</th>
<th>3MP</th>
<th>SUPER HD 4MP</th>
<th>4K</th>
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<tr>
<td>8ch</td>
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</table>

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 1 HDDs (SATA)
Maximum Capacity Up to 1x8TB
Backup Media USB Flash Drive & HDD
Backup File Format DAV, ASF, H.265, H.264, MP4

CONNECTIVITY
Cloud Connection FLIR Cloud™
Supported Operating Systems Windows™ / Mac OS X
Remote Software Client Software (PC & Mac)
Email Notification Test 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 10/100Base-TX, RJ45
Network Bit Rate 80Mbps total, 48 – 8192kbps per camera

GENERAL
Power Consumption 4 ch: Approx. 10 watts (No HDD Installed)
8 ch: Approx. 12 watts (No HDD Installed)
Supply Voltage 4 ch: 100VAC-240VAC, 1.5A, 50/60Hz
8 ch: 100VAC-240VAC, 2A, 50/60Hz
Total PoE Power Output 4 ch: 50W (Max 25W per Camera)
8 ch: 120W (Max 25W per Camera)
Unit Dimensions 4ch: 8.1 x 1.8 x 8.1” (205 x 45 x 205)
8ch: 12.8 x 10.1 x 2.2” (325 x 255 x 55mm)
Unit Weight 4ch: 1.5lbs / 0.7kg
8ch: 3lbs / 1.4kg
Operating Temperature 14° ~ 131°F / -10° ~ 55°C
Humidity 10 ~ 90% RH

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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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</thead>
<tbody>
<tr>
<td>NR8141</td>
<td>4-Channel 4K HD NVR with 1TB HDD</td>
<td>Brown Box</td>
<td>14.2 x 10.2 x 3.7” / 361 x 259 x 94mm</td>
<td>4.3lbs / 1.95kg</td>
<td>1.3cbf / 0.04cbm</td>
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<td>8-Channel 4K HD NVR with 2TB HDD</td>
<td>Brown Box</td>
<td>16.7 x 10.2 x 3.7” / 426 x 259 x 94mm</td>
<td>5.5lbs / 2.5kg</td>
<td>1.3cbf / 0.04cbm</td>
<td>6-95529-01383-1</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 LN Series 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.

Lorex Corporation, a division of FLIR Commercial Systems Inc.

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