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.

NR900 Series NVRs
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 – 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 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 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
NR900 Series NVRs
www.lorex.com

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
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
8ch: 240fps/8720p / 1080p/3MP/4MP/8MP
16ch: 480fps/8720p / 1080p/3MP/4MP/8MP
32ch: 960fps/8720p / 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
Cover Video
Yes

PLAYBACK
Playback Channel
1CH/4CH/8MP, 8CH/4MP, 16CH/2MP
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
10/100/1000-Base-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

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

<table>
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<tr>
<th></th>
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<th>1080p</th>
<th>3MP</th>
<th>SUPER HD 4MP</th>
<th>4K</th>
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<td>2048x1536</td>
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<tr>
<td>Per channel</td>
<td>30/25</td>
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**Product Information:**

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<tr>
<th>MODEL</th>
<th>CONFIGURATION</th>
<th>PACKAGE</th>
<th>W x D x H</th>
<th>WEIGHT</th>
<th>CUBE</th>
<th>UPC Code</th>
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<tbody>
<tr>
<td>NR9082</td>
<td>8-Channel 4K HD NVR with 2TB HDD</td>
<td>Brown Box</td>
<td>185 × 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>NR9183</td>
<td>16-Channel 4K HD NVR with 3TB HDD</td>
<td>Brown Box</td>
<td>185 × 6.9 × 18.7” / 470 × 175 × 425mm</td>
<td>11.8lbs / 5.3kg</td>
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<td>NR9328</td>
<td>32-Channel 4K HD NVR with 6TB HDD</td>
<td>Brown Box</td>
<td>185 × 6.9 × 18.7” / 470 × 175 × 425mm</td>
<td>12.4lbs / 5.6kg</td>
<td>1.3cbf / 0.04cbm</td>
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</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.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.
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). Always update to the latest software after upgrading the NVR firmware.