4K Recording with Smart Home Compatibility

Record and view impressive 4K Ultra HD video resolution with a cutting edge recorder, providing superior definition and detail. Use the Smart Search feature to filter motion events, saving you time when reviewing footage. As part of the Lorex Fusion™ collection, you can pair this NVR with additional Lorex Wi-Fi products such as, Wi-Fi cameras, doorbells, sensors, and floodlights. With convenient smart home and voice control compatibility, remote viewing, and support for cameras with Smart Motion Detection, this recorder's quality, and performance is unmatched.

Picture Perfect

See more and know more with superior definition and detail
• Record and view video in up to 4K (8MP) Ultra HD Resolution on all cameras
• Digitally zoom in on distant objects for better clarity
• Expand your security system with up to 8 IP cameras with built-in PoE ports

Expand your system with Lorex Fusion™
Customize your security experience
• Pair your system with up to two Lorex Fusion™ compatible Wi-Fi products such as Wi-Fi cameras, Doorbells, Floodlights, and more
• Allows for Wi-Fi cameras to record continuously
• Back up continuous video from your Wi-Fi camera(s) to the recorder

Home is where the smart is

Enjoy the convenience and control of smart home compatibility and voice control features*
• Quickly access your live footage with simple voice commands (compatible with Alexa and Google)
• Control your Deterrence cameras features with your voice (compatible with Google Assistant only)
• Support for Smart Motion detection - Get notifications with the Lorex Home™ App when motion is detected from a person or vehicle
• Use Smart Search to search through recorded footage and filter events for motion detected by a person or vehicle

* Not compatible with PAL version.

Features

4K (8MP) Capable
Supports Person and Vehicle Detection
Supports Active Deterrence
No Hidden Cloud Fees
Smart Home/Voice Control Compatible
Fusion™ Capabilities

N841 Fusion Series
lorex.com
### General
- **Video Transmission Technology**: IP
- **Channels**: 8 Channels

### Inputs/Outputs
- **Video Input**: 8 x PoE
- **Video Outputs**: 1 × VGA/1 × HDMI
- **Audio Input**: 1 ch: RCA type
- **Audio Output**: 1 ch: RCA type

### Display
- **Display Output Resolution**: Up to 4K UHD
- **Live Display**: 1,4,8
- **Live Display Speed (Max)**: 240fps NTSC/200fps PAL
- **OSD**: On/Off
- **System Navigation**: USB Mouse

### Recording
- **Recording Resolution**: 4k@15fps, 5MP@30fps, 4MP@30fps, 1080p@30fps, 720p@30fps
- **Recording Frame Rate**: 4K@15fps; 5MP@15fps; 4MP@20fps; 1080P@30fps
- **Recording Schedule**: Schedule recordings through Continuous, Motion, Smart Motion (Person and Vehicle), Alarm, Day, Hour per channel
- **Back-up File Format**: DAV/ASF/AVI/MP4
- **Video Compression**: H.265/H.264

### Playback
- **Simultaneous Playback**: Up to 4 channels, synchronized
- **Playback Speed**: Variable Max 8×
- **Search**: By Time/Date, All Motion Events or Smart Motion (Person/Vehicle), Area Search

### Storage
- **Hard Drive Bays**: 1 Bay
- **Hard Drive Capacity**: Up to 6TB (SATA)
- **Backup Media**: USB Flash Drive & USB HDD

### Special Features
- **Smart Motion Detection**: Support for Person and Vehicle detection
- **Active Deterrence Support**: Yes
- **Panic Button**: Yes
- **Smart Search**: Yes
- **Wired/Wireless Fusion™ supported**: Yes
- **Sensor Fusion™ (coming soon)**: Supports up to 10 different sensors

### Smart Home
- **Voice Control**: Amazon Alexa™, Google Assistant™
- **Streaming Options**: Chromecast™, Apple TV™, Amazon Echo Show™, Google Home Hub™, Lenovo Smart Display™

### Connectivity
- **Mobile Viewing**: Android, iOS
- **Compatible APP**: Lorex Home™
- **PC/Mac Remote Viewing**: Yes/Lorex Cloud™
- **Email Notification**: Text and Snapshot
- **Network Interface**: 10/100 Base-TX, RJ45
- **Network Bit Rate**: 80Mbps total, 48~8192kbps per camera
- **DDNS**: Yes (Optional)
- **USB interface**: USB 2.0 × 2

### Additional Specifications
- **FW Upgrade**: USB/Network
- **Watchdog Function**: Yes
- **Power Consumption**: Approx. 8.3W (HDD excl.)
- **Supply Voltage**: 100VAC-240VAC, 50/60hz, DC48V/2A
- **Total PoE Power Output**: PoE: Max 25.5W for single port, 80W total
- **Unit Dimensions (W × D × H)**: 12.9 x 9.6 x 2.1” / 328 x 245 x 53 mm
- **Unit Weight**: 2.75 lbs. / 1.26 kg (excl. HDD)
- **Operating Temperature**: 14° ~ 131°F / -10° ~ 55°C
- **Humidity**: 10 ~ 90% RH
Model Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>N841A81</td>
<td>8-channel 4K NVR with 1TB HDD</td>
<td>6-95529-02110-2</td>
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<tr>
<td>N841A82</td>
<td>8-channel 4K NVR with 2TB HDD</td>
<td>6-95529-02109-6</td>
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<tr>
<td>N841A83</td>
<td>8-channel 4K NVR with 3TB HDD</td>
<td>6-95529-02238-3</td>
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</tbody>
</table>

Disclaimers:
1. 4K (8MP) IP cameras are required to take advantage of 4K recording.
2. Recording time may vary based on recording resolution and quality, lighting conditions and movement in the scene.
3. Accuracy of Smart Motion Detection will be influenced by multiple factors, such as the object’s distance from the camera, the size of the object, and the height and angle of the camera. Night vision will also impact the accuracy of detection.
4. Controlling certain features in your security system requires a compatible smart device. PAL version is not compatible with Alexa and Google. Availability and performance of certain features and services are smart device dependent and may not be available in all areas or networks. For compatibility, features, and instructions visit [www.lorex.com/smarthome](http://www.lorex.com/smarthome).
5. Accessing your security system remotely requires a high-speed Internet connection. Ensure your NVR has a wired connection to a router (not included). A minimum upload speed of 5Mbps is recommended for reasonable 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/compatibility](http://www.lorex.com/compatibility).
6. Compatible with certain Lorex IP and select wireless cameras only. For a list of compatible cameras please visit [www.lorex.com/compatibility](http://www.lorex.com/compatibility).
7. HDMI output supports 4K HD for high definition multi-channel live or recorded video viewing. Image quality and resolution is dependent on the type of camera connected to the NVR, as well as TV/monitor resolution.
8. Fusion™ capabilities are limited to 2 wireless devices per system. Wireless devices require an available channel on the NVR as well as a sufficient signal between the device(s) and your Wi-Fi router for video streaming. For full details on Wi-Fi cameras compatibility and instructions, visit [www.lorex.com/pages/fusion](http://www.lorex.com/pages/fusion).
9. Both firmware and software must be updated to latest version to ensure remote connectivity.

Dimensions

<table>
<thead>
<tr>
<th>Package</th>
<th>Weight</th>
<th>Dimensions (W x D x H)</th>
<th>Package Cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain Box</td>
<td>6.6lb / 2.99kg</td>
<td>15.51 x 13.2 x 5.4&quot; / 394 x 335 x 137mm</td>
<td>0.64cbf / 0.018cbm</td>
</tr>
</tbody>
</table>

Back Panel

What's in the box

- 1 x 4K Ultra HD Fusion™ Network Video Recorder
- 1 x Ethernet cable
- 1 x Power Adapter
- 1 x HDMI Cable
- 1 x USB Mouse
- Quick Setup Guide

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