

# LOREX<sup>®</sup> 4K ULTRA HD FUSION™ NETWORK VIDEO RECORDER



## 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<sup>1</sup>
- Digitally zoom in on distant objects for better clarity<sup>2</sup>
- Expand your security system with up to 8 IP cameras with built-in PoE ports

### 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)<sup>4</sup>
- Control your Deterrence cameras features with your voice (compatible with Google Assistant only)<sup>4</sup>
- Support for Smart Motion detection - Get notifications with the Lorex Home™ App when motion is detected from a person or vehicle<sup>3</sup>
- Use Smart Search to search through recorded footage and filter events for motion detected by a person or vehicle<sup>6</sup>

\* Not compatible with PAL version.

### 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<sup>8</sup>
- Allows for Wi-Fi cameras to record continuously
- Back up continuous video from your Wi-Fi camera(s) to the recorder

### No Fee Local Video Storage

*Keep your footage private and secure*

- Local built-in security-grade hard drive ensures only you can access your footage
- Max 6TB storage space with no hidden monthly cloud fees
- Heavy-duty hard drive designed for advanced processing and the workload of 24/7 monitoring

## Features



4K (8MP)  
Capable



Supports Person and  
Vehicle Detection



Supports Active  
Deterrence



No Hidden  
Cloud Fees



Smart Home/Voice  
Control Compatible



Fusion™  
Capabilities

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## Product Specifications

### General

Video Transmission Technology	IP
Channels	8 Channels

### Inputs/Outputs

Video Input	8 x PoE
Video Outputs <sup>7</sup>	1 x VGA/1 x HDMI
Audio Input	1 ch: RCA type
Audio Output	1 ch: RCA type

### Display<sup>7</sup>

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 8x
Search	By Time/Date, All Motion Events or Smart Motion (Person/Vehicle <sup>6</sup> ), 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 <sup>6</sup>
Active Deterrence Support	Yes <sup>6</sup>
Panic Button	Yes <sup>3</sup>
Smart Search	Yes
Wired/Wireless Fusion™ supported	Yes <sup>8</sup>
Sensor Fusion™ (coming soon)	Supports up to 10 different sensors

### Smart Home<sup>4</sup>

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

### Connectivity

Mobile Viewing <sup>9</sup>	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 x 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 x D x 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



Lorex Home™



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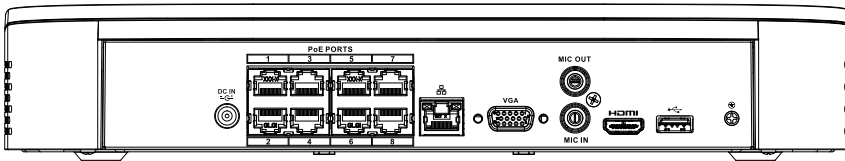
## Model Information

N841A81	8-channel 4K NVR with 1TB HDD	6-95529-02110-2
N841A82	8-channel 4K NVR with 2TB HDD	6-95529-02109-6
N841A83	8-channel 4K NVR with 3TB HDD	6-95529-02238-3

## Dimensions

Package	Plain Box
Package Weight	6.6lb / 2.99kg
Package Dimensions (W x D x H)	15.51 x 13.2 x 5.4" / 394 x 335 x 137mm
Package Cube	0.64cbf / 0.018cbm

## 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

### Disclaimers:

- 4K (8MP) IP cameras are required to take advantage of 4K recording.
- Recording time may vary based on recording resolution and quality, lighting conditions and movement in the scene.
- 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.
- 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)
- 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)
- 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)
- 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.
- 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)
- Both firmware and software must be updated to latest version to ensure remote connectivity.

N841 Fusion Series  
lorex.com

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