



4K recording with advanced person and vehicle detection

Record and view impressive 4K video resolution with a cutting-edge recorder, providing you with superior detail and definition. This recorder can also differentiate between motion triggered by people or vehicles, providing only the most relevant motion alerts. Use the Smart Search feature to filter motion events by area, time/date and person or vehicle, saving you time when reviewing footage. With convenient smart home and voice control compatibility, remote viewing, and advanced 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 cameras¹
- View live footage in up to 30fps² and digitally zoom in on distant objects for better clarity
- 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 footage and features with simple voice commands (Compatible with: Amazon Alexa and Google Assistant)⁴
- View live or recorded video directly on your TV with smart home compatibility (Compatible with: Apple TV and Chromecast)⁴

Advanced Person and Vehicle Smart Detection

Get alerts when a person or vehicle is on your property

- Reduce unnecessary alerts and false alarms with advanced motion detection⁶
- Get push notifications when motion from a person or a vehicle is detected³
- Use Smart Search to filter motion events for reviewing footage quickly and easily
- A panic button is located on the recorder to activate all lights and sirens on your cameras⁶

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
- Ample 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



Person and vehicle
smart motion detection



No Hidden
Cloud Fees



Smart home/voice
control compatible

LOREX[®] 4K SMART DETECTION NETWORK VIDEO RECORDER

Product Specifications

General

Video Transmission Technology	IP
Channels	8 Channels

Inputs/Outputs

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

Display⁷

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

Recording

Recording Resolution	4K (8MP)/5MP/4MP/3MP/1080P/720P
Recording Frame Rate	8ch: 240fps up to 4K
Recording Schedule	Per Channel: Continuous/Motion/Smart Motion (Person/Vehicle)/Area/Alarm/ Day/ Hour
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 16x
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 10TB (SATA)
Backup Media	USB Flash Drive & USB HDD

Special Features⁶

Smart Motion Detection	Person and Vehicle Smart Motion Detection
Smart Search	Yes
Third Party Integrations	Google Assistant™, Amazon Alexa™

Smart Home⁴

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

Connectivity

Mobile Viewing ⁸	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



LOREX[®] 4K SMART DETECTION NETWORK VIDEO RECORDER

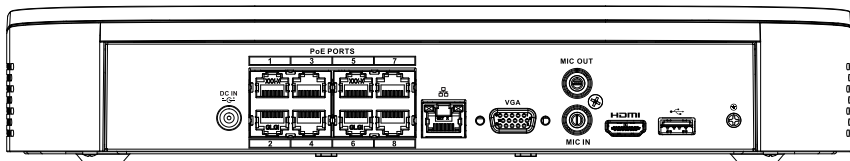
Model Information

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

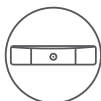
Dimensions

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

Back Panel



What's in the box



1 × 4K Ultra HD Network Video Recorder



1 × Ethernet cable



1 × Power Adapter



1 × HDMI Cable



1 × USB Mouse



Quick Setup Guide

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 Advanced Person and Vehicle 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. 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
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
6. Compatible with certain Lorex IP cameras only. For a list of compatible cameras please visit 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. Both firmware and software must be updated to latest version to ensure remote connectivity.

N841 Series
lorex.com

Lorex Corporation
999 Corporate Blvd. Suite 110
Linthicum, MD, 21090, United States

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