

LOREX[®] 4K ULTRA HD FUSION™ NETWORK VIDEO RECORDER



4K Recording with Lorex Fusion™

Record and view clear 4K video resolution, which provides a heightened level of detail and definition. As part of the Lorex Fusion™ collection you can tailor your security system to your needs - simply pair this NVR with wired and Wi-Fi security cameras, video doorbells, floodlights and sensors. Thanks to smart home compatibility, enjoy seamless viewing by syncing your system to your smart home device. Be confident that your security footage is private and securely stored with the built-in security grade hard drive and never have to worry about any hidden monthly fees. Safeguard features missing and left behind object detection, giving the ability to select up to 3 fields of view. Receive notifications if items in these areas go missing or are left behind, such as a package. Quickly locate Smart Motion Detection Plus events and filter by area, time/date, person, vehicle or person's face with Smart Search, saving time when reviewing footage. With 4K resolution, Fusion™ capabilities, smart home compatibility and Smart Motion Detection Plus, this recorder's performance is unmatched.

Picture Perfect

See every detail with superior definition

- Record and view video in up to 4K (8MP) Ultra HD Resolution on all channels¹
- Digitally zoom in on distant objects for better clarity²
- View synchronized playback of up to 4 cameras at the same time
- Expand your security system with up to 8 IP cameras with built-in PoE ports

This system was built for your smart home

Enjoy the convenience and control of smart home compatibility and voice control features

- Quickly access your live footage with simple voice commands, compatible with Amazon and Google⁴
- Control your Active Deterrence cameras features with your voice (compatible with Google Assistant only)⁴

Safeguard™⁵

Protect what matters most

- Set up to 3 areas to keep track of items left behind or removed, such as packages or other items of value. Auto-voice messages can be activated when an event takes place.
- Track and follow motion by customizing your motion detection settings with Active View⁵

Features



4K (8MP)
Capable



Supports Active
Deterrence



Supports Smart Motion
Detection Plus



Supports
Safeguard™



No Hidden
Cloud Fees



Smart Home/Voice
Control Compatible



Fusion™
Capabilities

Expand your system with Lorex Fusion™

Tailor your security system to your needs

- Pair your system with up to two Lorex Fusion™ compatible Wi-Fi products such as Wi-Fi cameras, doorbells, floodlights, and more³
- Stream and record continuous video from your Wi-Fi devices on your recorder
- Wi-Fi cameras can now record continuously, taking advantage of the hard drive storage space

Smart Motion Detection Plus

Be notified when either a person, vehicle or person's face is detected on your property

- Smart Motion Detection Plus offers the option of either Face Detection or Person and Vehicle Detection with the ability to receive notifications when a face, person or vehicle are detected on your property via the Lorex Home app⁵
- By activating Face Detection with Mask Detection Technology, get notifications when a person is not wearing a mask⁵
- Use Smart Search to search through recorded footage and filter events for motion detected by person, vehicle or face⁵

No Fee Local Video Storage

Keep your footage private and secure

- Max 8TB storage space with no hidden monthly cloud fees
- Security Grade hard drive designed for advanced processing and the workload of 24/7 monitoring

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Product Specifications

General

Video Transmission Technology	IP
Channels	8 Channels

Inputs/Outputs

Video Input	8 x PoE
Video Outputs ⁷	1 x VGA/1 x HDMI
Audio Input	1 x RCA
Audio Output	1 x RCA

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 (8MP)/5MP/4MP/3MP/1080p/720p
Recording Frame Rate	4K (8MP)@15fps/5MP@30fps/4MP@30fps/1080p@30fps/720p@30fps
Recording Schedule	Schedule recordings through Continuous, Motion, Smart Motion (Person, Vehicle and Face), 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/Face ⁶), Area Search

Storage

Hard Drive Bays	1 Bay
Hard Drive Capacity	Up to 8TB (SATA)
Backup Media	USB Flash Drive & USB HDD

Special Features

Smart Motion Detection Support	Yes for Person and Vehicle detection ⁵
Wired/Wireless Fusion™ support	Yes ³
Lorex Sensor Compatible	Yes ³
Face Detection Support	Yes ⁵
Mask Detection Support	Yes ⁵
Lorex Safeguard™ (Missing Object and Object Left Behind):	Yes ⁵
Active Deterrence Support	Yes ⁵
Active View Support	Yes ⁵
Selectable Siren Support	Yes ⁵
Panic Button	Yes ⁵
Smart Search	Yes

Smart Home⁴

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

Connectivity

Mobile Viewing	Android, iOS
Compatible APP	Lorex Home™
PC/Mac Remote Viewing	Yes/Lorex Cloud™ client
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, DC 53V/1.8A
Total PoE Power Output	PoE: Max 25.5W for single port, 72W 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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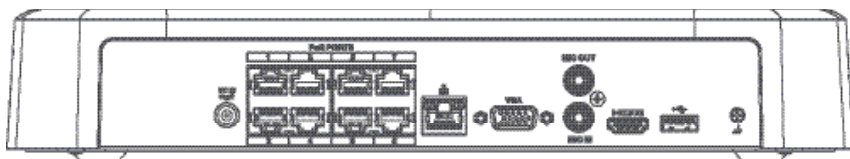
Model Information

N844A82 8-channel 4K NVR with 6-95529-03681-6
2TB HDD

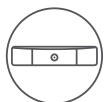
Dimensions

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 × 4K Ultra HD Fusion™
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. 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 strength 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
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. Compatible with certain Lorex IP and select wireless cameras only. For a list of compatible cameras please visit www.lorex.com/compatibility
6. 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
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.

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N844 Fusion Series
lorex.com

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