works with the Google Assistant

WORKS WITH alexa

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[1]
- Digitally zoom in on distant objects for better clarity[2]
- 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)[4]
- Control your Deterrence cameras features with your voice (compatible with Google Assistant only)[4]
- Support for Smart Motion detection - Get notifications with the Lorex Home™ App when motion is detected from a person or vehicle[3]
- Use Smart Search to search through recorded footage and filter events for motion detected by a person or vehicle[6]

* 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[8]
- 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
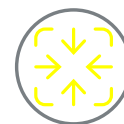
Features

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

Product Specifications

General

Video Transmission Technology	IP
Channels	8 Channels

Inputs/Outputs

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

Display[7]

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[6]), 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 [6]
Active Deterrence Support	Yes [6]
Panic Button	Yes [3]
Smart Search	Yes
Wired/Wireless Fusion™ supported	Yes[8]
Sensor Fusion™ (coming soon)	Supports up to 10 different sensors

Smart Home[4]

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

Connectivity

Mobile Viewing[9]	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

Lorex Home™

Download on the App Store
Download on Apple TV
GET IT ON Google Play

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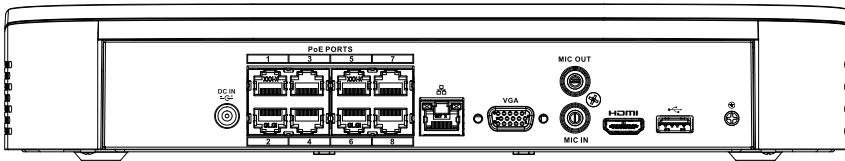
N841A81	8-channel 4K NVR with 1TB HDD	6-95529-02110-2
N841A82	8-channel 4K NVR with 2TB HDD	6-95529-02109-6
N841A83	8-channel 4K NVR with 3TB HDD	6-95529-02238-3

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 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. 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
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 and select wireless 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. 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
9. Both firmware and software must be updated to latest version to ensure remote connectivity.

4K
ULTRA HD
8MP DIGITAL IP

4K Resolution, Smart Motion Detection, and Smart Deterrence – All in One

See more and know more with the Lorex 4K Smart Deterrence IP Camera. This camera features advanced person and vehicle detection technology, so you know when someone is at your door or when a vehicle pulls into your driveway. Witness stunning 4K resolution, providing you with superior video, and added clarity. Take your security to the next level with dual motion-activated LED warning lights and a remote-triggered siren, designed to deter uninvited guests. You can even hear and speak directly through your camera with 2-way talk, allowing you to communicate easily with visitors. Pair with a compatible Ultra HD network recorder to experience a truly unparalleled security solution.

Picture Perfect
See more and know more, with superior definition and detail

- View video in 4K (8MP) resolution, providing the highest quality video evidence
- Wide-angle 111° field of view offers optimal coverage
- Color Night Vision™ [1] and up to 150ft (45m) IR night vision range [2]
- High Dynamic Range (HDR), automatically adjusts to changing light conditions to ensure consistent video quality

Advanced Person and Vehicle Detection
Be instantly alerted when either a person or vehicle arrives on your property

- Reduce unnecessary alerts and false alarms with Smart Motion detection
- Smart Motion distinguishes motion detected by either people or vehicles, limiting unnecessary alerts for things like falling leaves or animals

Properly Greet Uninvited Guests
Active Deterrence features deter potential criminals - in a flash

- Dual motion-activated LED warning lights
- Take intruders by surprise and alert nearby neighbours with a remote-activated siren
- Built-in mic and speaker allows you to listen and speak to visitors with 2-way talk [3]

Indoor/Outdoor Coverage
Maximize coverage with cameras built for any climate

- Weatherproof Rated (IP67)
- Operates in temperatures as low as -4°F(-20°C) and as high as 122°F (50°C)
- Durable all-metal housing, designed to withstand harsh weather conditions

Features

4K (8MP) UHD Resolution

Person and Vehicle Smart Motion Detection

up to 150ft/45m Night Vision

Warning Light and Siren

2-Way Talk

Product Specifications

General

Video Transmission Technology	IP
Image Sensor	8MP/4K 1/1.8" CMOS
Video Format	NTSC
Video Compression	H.265/H.264H (Main Stream & Sub Stream)

Optical

Viewing Angle (Horizontal)	111°
Lens/Lens type	2.8mm F1.6/ Fixed

Video Output

Resolution/Frame rate	4K(8MP) @ 15fps, 4MP@ 20fps, 3MP, 2MP @30fps
Effective Pixels	H:3840 x V:2160
HDR	Yes
Termination	RJ45

Audio

Microphone/Speaker	Yes/Yes
Siren	Yes
2-Way Talk	Yes

Night Vision

IR Night Vision Range	150ft (45m)/ 98ft (30m)
Color Night Vision™	Yes

Special Features

Deterrence	Yes - Warning Light + Siren + 2-Way Talk
Smart Features	Person and Vehicle Smart Motion Detection

Additional Specifications

Camera Housing Material	Aluminum Alloy
Power Requirements	PoE (Power over Ethernet) Class 0 / 12V DC
Power Consumption (max)	900mA / 10.8W
Camera Dimensions (W x D x H)	2.9" × 7.2" × 2.9" (74mm × 184mm × 74mm)
Camera Weight	1.15lbs / 0.52kg
Operating Temperature	-4°F ~ 122°F /-20°C ~ 50°C
Humidity	< 95% RH
Environmental Rating	IP67 (Indoor/Outdoor)

Model Information

E891AB-E	6-95529-02146-1
Configuration	4K Ultra HD Smart Deterrence IP Camera
Package Type	Retail Box
Package Dimensions (W × D × H)	15.0 × 5.3 × 4.9" / 380 × 134 × 125mm
Package Weight	3.7lb / 1.7kg
Package Cube	0.014 cbf / 0.00039 cbm
Junction Box	Compatible with: ACJNCD3B (not included)

What's Included

4K Security Camera	CAT5e Ethernet Cable*	Mounting Kit	Quick Start Guides

Disclaimers:

1. Color nighttime video typically switches to black & white IR night vision when there is not sufficient ambient light to ensure optimal low-light image quality.

2. Stated IR illumination range is based on ideal conditions in typical outdoor nighttime ambient lighting (up to 98ft/30m in total darkness). Actual range and image clarity depends on installation location, viewing area and light reflection/absorption.

3. Audio recording is disabled by default. Audio recording without consent is illegal in certain jurisdictions. Lorex Technology does not assume liability for any use of its product that fails to conform with local laws.

4. Not intended for submersion in water. Installation in a sheltered area recommended.

5. In order for Person and Vehicle detection to operate, this camera requires a connection to a compatible Lorex Network Video Recorder with smart detection technology. For a list of compatible recorders please visit: www.lorex.com/compatibility

* Cable length is dependent on product configuration. See product packaging for details.