LOREX®

4K ULTRA HD SMART NETWORK VIDEO RECORDER WITH FUSION™

works with the **Google Assistant**

WORKS WITH **alexa**

4K Quality with Extensive Storage and Lorex Fusion Compatibility

Record and view impressive 4K video resolution with a heightened level of detail and definition. As part of the Lorex Fusion™ collection you can tailor your security system to your needs, by pairing with both wired and Wi-Fi cameras of your choice, such as video doorbells, floodlights and sensors. Only receive the most important alerts, thanks to Smart Motion Detection, which can differentiate motion generated from either a person or a vehicle and not for things like weather or swaying branches.

Be confident that your security footage is private and secure with the built-in security grade hard drive – with no hidden monthly fees. Expand your storage, using the dual hard drive bays. With 4K resolution, Fusion™ capabilities, smart home compatibility, expandable storage, and support for Smart Motion Detection – this NVR is designed for your security needs.

Features

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

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]
- View live footage in up to 15fps and digitally zoom in on distant objects for better clarity[2]

Expand your system with Lorex Fusion™
Tailor your security system to your needs

- Expand your system with up to two Lorex Fusion™ compatible Wi-Fi products such as Wi-Fi cameras, Doorbells, Floodlights, and more[3]
- Stream and record continuous video from your Wi-Fi cameras on your recorder with Lorex Fusion™
- Increase the limited Wi-Fi SD-Card storage capacity of pair cameras by taking advantage of recording directly to the NVRs built-in HDD

Smart Person and Vehicle Detection
Always know when a person or vehicle is on your property

- Reduce unnecessary alerts and false alarms with Smart motion detection[5]
- Get push notifications when motion from a person or vehicle is detected[7]
- Use Smart Search to filter motion events for reviewing footage quickly and easily

Local Storage - No Monthly Fees
Keep your footage private and secure

- 2 bay hard drive with up to 2 × 8TB of storage space with no hidden monthly fees
- Local built-in security-grade hard drive
- Heavy-duty hard drive designed for advanced processing and the workload of 24/7 monitoring

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 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)

* Not compatible with PAL version.

Product Specifications

General

Video Transmission Technology	IP
Channels	16 Channels

Inputs/Outputs

Video Input	16 x PoE
Video Outputs[7]	1 × VGA/1 × HDMI
Audio Input	1 ch: RCA type
Audio Output	1 ch: RCA type
Alarm IN	4 channels
Alarm OUT	2 channels

Display

Display Output Resolution	Up to 4K UHD, Auto Detect
Live Display	1,4,8, 9,16
Live Display Speed (Max)	up to 4ch 4K@15fps
OSD	On/Off
System Navigation	USB Mouse

Recording

Recording Resolution	4K (8MP)/5MP/3MP/ 1080p/720p
Recording Frame Rate	4K@15fps; 5MP@30fps; 1080p@30fps;720p@30fps
Recording Schedule	Schedule recordings through Continuous, Motion, Smart Motion (Person and Vehicle), Face Detection, Alarm, Day, Hour per channel
Back-up File Format	DAV/ASF/AVI/MP4
Video Compression	H.265/H.264

Playback

Simultaneous Playback	Up to 4ch@4K15fps
Playback Speed	Variable Max 8×
Search	By Time/Date, All Motion Events or Smart Motion (Person/Vehicle[5]), Area Search

Storage

Hard Drive Bays	2 Bays
Hard Drive Capacity	Up to 2 x 8TB (SATA)
Backup Media	USB Flash Drive & USB HDD

Special Features

Smart Motion Detection	Yes: Person & Vehicle Motion Detection[5]
Face Detection Support	Yes [6]
Active Deterrence Support	Yes [6]
Panic Button	Yes [6]
Smart Search	Yes
Wired/Wireless Fusion™ supported	Yes[3]
Sensor Fusion™ support	Yes

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	Android, iOS
Compatible APP	Lorex Home™
PC/Mac Remote Viewing	Yes/Lorex Cloud™
Email Notification	Text and Snapshot
Network Interface	1000 Base-TX, RJ45
Network Bit Rate	200 Mbps total
DDNS	Yes (Optional)
USB interface	USB 2.0 × 2

Additional Specifications

FW Upgrade	USB/Network
Watchdog Function	Yes
Power Consumption	Approx. 13.2W (no HDD included)
Supply Voltage	100VAC-240VAC, 50/60hz, DC48V/2A
Total PoE Power Output	PoE: Max 25.5W for single port, 130W total[9]
Unit Dimensions (W × D × H)	14.7 x 12.9 x 2.1" / 375 x 327 x 53 mm
Unit Weight	5.8 lbs / 2.6 kg (excl. HDD)
Operating Temperature	14° ~ 131°F / -10° ~ 55°C
Humidity	10 ~ 90% RH

Model Information

N862A63B	16-channel 4K NVR with 3TB HDD	6-95529-02901-6
N862A64B	16-channel 4K NVR with 4TB HDD	6-95529-02900-9

Dimensions

Package	Plain Box
Package Weight	11.02lb / 4.9kg
Package Dimensions (W × D × H)	21.1 × 16.3 × 6.7" / 538 × 414 × 170mm
Package Cube	0.06cbf / 0.001cbm

Back Panel

Lorex Home™

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

What's in the box

| 1 × 4K Ultra HD Smart Network Video Recorder with Fusion™ | 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. Accuracy of Smart Motion Detection will be influenced by multiple factors, such as the object's distance from the object, and the height and angle of the camera. Night vision will also impact the accuracy of detection. Compatible with certain Lorex IP cameras only.
6. Compatible with certain Lorex IP and select wireless cameras only. For a list of compatible cameras please visit www.lorex.com/compatibility
7. 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
8. 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.
9. NVR has a total PoE power output of 130w. Different IP cameras have different wattage specifications. Please double check your camera specifications for power consumption (Wattage) requirements in order to not exceed the NVRs power output availability of the recorder when adding cameras. To learn more, please visit www.lorex.com/compatibilitydisclaimer 9: NVR has a total PoE power output of 130w. Different IP cameras have different wattage specifications. Please double check your camera specifications for power consumption (Wattage) requirements in order to not exceed the NVRs power output availability of the recorder when adding cameras. To learn more please visit www.lorex.com/compatibility