

LOREX[®]

Fusion 4K Network Video Recorder

FUSION
COLLECTION



4K Quality with Extensive Storage and Lorex Fusion Compatibility

Record and view clear 4K video resolution, providing 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 this NVR with wired and Fusion Wi-Fi security cameras, video doorbells, floodlights and sensors. Always know what's happening around your property thanks to Person, Vehicle, Animal, and Package Detection, which sends you detailed smartphone motion notifications. Be confident that your security footage is private and secure with the built-in security grade hard drive with no hidden monthly fees. Thanks to smart home compatibility, enjoy seamless viewing by syncing your system to your smart home device. With 4K resolution, Fusion capabilities, smart home compatibility and Smart Motion Detection, this recorder's performance is unmatched.

Features



4K
Resolution



Supports Active
Deterrence



Supports Smart Motion
Detection Plus



Supports
Safeguard



No Monthly
Fees



Smart Home/Voice
Control Compatible



Fusion
Capabilities

LOREX® Fusion 4K Network Video Recorder

Picture Perfect

- Record and view video in up to 4K (8MP) Ultra HD Resolution on all cameras¹
- View live footage in up to 15fps and digitally zoom in on distant objects for better clarity²

Smart Motion Detection

- Reduce unnecessary alerts and false alarms with Smart Motion Detection⁵
- Get push notifications when motion from a person or vehicle is detected⁷
- A choice of four different siren sounds are available including a Police siren or a house alarm sound⁶
- Use Smart Search to filter motion events for reviewing footage quickly and easily

Safeguard⁶

- 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

Home is where the smart is

- 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.

Local Storage - No Monthly Fees

- 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

Mask Detection for extra piece of mind

- For improved security simply use the Lorex Home app to set a notification for when someone enters your business without a proper face mask
- The voice prompt is another benefit that can be used to alert and remind non-mask wearers: "Please wear your face mask"

Expand your system with Lorex Fusion

- Expand your system with compatible Wi-Fi products such as Wi-Fi cameras, Doorbells, Floodlights, and more³
- 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



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Product Specifications

General

Video Transmission Technology	IP
Channels	16 Channels

Inputs/Outputs

Video Input	16 x PoE
Video Outputs ⁷	1 x VGA/1 x 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	2ch@4K/30fps or 4ch@4K15fps
Playback Speed	Variable Max 8x
Search	By Time/Date, All Motion Events or Smart Motion (Person/Vehicle ⁵), Area Search

Storage

Hard Drive Bays	2 Bays
Hard Drive Capacity	2 SATA ports, up to 10 TB for a single HDD
Backup Media	USB Flash Drive & USB HDD

Special Features

Smart Motion Detection	Yes: Person & Vehicle Motion Detection ⁵
Face Detection Support	Yes ⁶
Active View Support	Yes ⁶
Mask Detection Support	Yes ⁶
Active Deterrence Support	Yes ⁶
Panic Button	Yes ⁶
Safeguard™	Yes ⁶
Smart Search	Yes
Wired/Wireless Fusion supported	Yes ³
Sensor Fusion support	Yes
Selectable Siren support	Yes

Smart Home⁴

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 x 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, 220W total ⁹
Unit Dimensions (W x D x 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

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Model Information

N864A63B	16-channel 4K NVR with 3TB HDD	6-95529-04719-5
N864A64B	16-channel 4K NVR with 4TB HDD	6-95529-05210-6

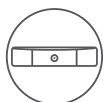
Dimensions

Package	Plain Box
Package Weight	11.02lb / 4.9kg
Package Dimensions (W x D x H)	21.1 x 16.5 x 6.7" / 538 x 414 x 170mm
Package Cube	0.06cbf / 0.001cbm

Back Panel



What's in the box



1 x Fusion 4K NVR



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.
- Fusion capabilities are limited to 16 wireless devices per system. The NVR must be connected to your Wi-Fi Router via network cable. 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
- 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
- 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. Compatible with certain Lorex IP cameras only.
- Compatible with certain Lorex IP and select wireless cameras only. For a list of compatible cameras please visit www.lorex.com/compatibility
- 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
- 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.
- 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

N864 Fusion Series
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