

LOREX[®] 4K ULTRA HD DIGITAL VIDEO RECORDER



4K Recording with Smart Motion Detection and Facial Recognition

Record and view impressive 4K video with this innovative recorder, providing superior clarity when it comes to your security. Customize your experience with a smarter security solution thanks to Smart Motion Detection, which sends notifications when motion from a person or vehicle is detected or when a familiar face is recognized – all directly through the Lorex Home™ App. With the Virtual Fence option, extended property monitoring beyond what the cameras motion detection can provide and receive notifications when the Fence line or Area has been crossed. With convenient smart home compatibility and voice control, remote viewing, and Smart Motion Detection, this recorder gives you next-level security to fit your everyday needs.

Resolution You Can Look Up to

See more and know more with 4K Ultra HD resolution¹

- Record and view video up to 4K (8MP) Ultra HD resolution on all cameras
- Digitally zoom in up to 8x on distant objects for better clarity

Smarter Detection and Alert Capabilities

Get notifications when either a person, vehicle or a familiar face is on your property

- With Smart Motion Detection and Face Recognition receive notifications when a person, vehicle or a person's face is detected on your property from the Lorex Home™ app²
- Using Virtual Fence⁵, create a fence line or set an area that requires heightened security monitoring and receive notifications when that line is crossed or the area has been breached
- Use Smart Search to filter motion events for reviewing footage quickly and easily³
- A panic button is located on the recorder to activate deterrence features on compatible cameras⁴

Local Storage – No Monthly Fees

Keep your footage private and secure

- Local built-in security-grade hard drive ensures only you can access your footage
- Supports up to an 8TB hard drive with no hidden monthly cloud fees
- Heavy-duty hard drive designed to handle the workload of 24/7 monitoring

Hands-free Smart Home Technology

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

- Quickly access your live footage with simple voice commands (compatible Alexa and Google)⁷
- Control your Deterrence cameras features with your voice (compatible with Google Assistant only)
- View live or recorded video directly on your smartphone or TV with smart home compatibility (Compatible with Apple TV and Chromecast)¹¹

Features



4K Resolution



Supports Active Deterrence



Smart Motion Detection



Face Recognition



Virtual Fence – Property Perimeter Detection



No Hidden Cloud Fees



Smart Home/Voice Control Compatible

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Product Specifications

General

Video Transmission Technology HD Analog

Channels 8/16 Channels

Inputs/Outputs⁷

Video Input(s) 8/16 × 1Vp-p, CVBS, 75ohms, BNC Type

Video Outputs(s) 1 × VGA, 1 × HDMI

Audio Input(s) 1 ch: RCA

Audio Output(s) 1 ch: RCA

Display

Display Output Resolution¹ Up to 4K

Live Display 8 ch: 1,4,8
16 ch: 1,4,8,9,16

Live Display Speed (Max)² 8 ch: 240fps NTSC, 200fps PAL
16 ch: 480fps NTSC, 400fps PAL

OSD On/Off

System Navigation USB Mouse

Recording

Recording Resolution 4K (8MP)/5MP/4MP/3MP/ 1080p/720p

Recording Frame Rate 4K@7fps; 5Mp@12fps;
4MP/3MP@15fps; 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/AVI/MP4 file

Video Compression H.265/H.264

Playback

Simultaneous Playback 8 ch: up to 4 Channels
16 ch: Up to 4 Channels

Playback Speed Variable Max 16x

Search By Time/Date, All Motion Events or Smart Motion (Person, Vehicle and Face), (Smart Search)

Storage

Hard Drive Bays 1 Bay

Hard Drive Capacity Up to 1 × 8TB (SATA)

Backup Media USB Flash Drive & USB HDD

Special Features⁵

Smart Motion Detection Person and Vehicle Motion Detection (All Channels)

Smart Search Yes

Face Detection^{3,4} Yes (two channels)

Face Recognition^{3,4} Yes (two channels)

Virtual Fence⁵ (Perimeter protection) Yes (two channels)

Active Deterrence Support⁶ Yes

Panic Button Yes

Smart Home⁶

Voice Control Amazon Alexa™, Google Assistant™

Streaming Options¹¹ 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™

Email Notification Text and Snapshot

Network Interface 10/100 Base-TX, RJ45

DDNS Yes (Optional)

USB interface USB 2.0 × 2

Additional Specifications

FW Upgrade USB/Network

Watchdog Function Yes

Power Consumption < 15W (Excl. HDD)

Supply Voltage 8ch: 12V/2A, 16ch: 12V/3A

Unit Dimensions (W × D × H) 12.9 × 9.6 × 2.1" /
328 × 245 × 53mm

Unit Weight 2.75 lbs / 1.26Kg (Excl. HDD)

Operating Temperature 14° ~ 131°F / -10° ~ 55°C

Humidity 10 ~ 90% RH



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Model Information

D862A81B	8-channel 4K DVR with 1TB HDD	6-95529-03418-8	D862A62B	16-channel 4K DVR with 2TB HDD	6-95529-03420-1
D862A82B	8-channel 4K DVR with 2TB HDD	6-95529-03419-5	D862A63B	16-channel 4K DVR with 3TB HDD	6-95529-03421-8

Dimensions

Package	Plain Box
Package Weight	6.06lb / 2.75kg
Package Dimensions (W x D x H)	13.07 x 15.43 x 5.31" / 332 x 392 x 135mm
Package Cube	0.62cbf / 0.018cbm

Back Panel



16 channel DVR shown. 8 channel will have less numbers of inputs.

What's in the box



1 x 4K Channel DVR with pre-installed HDD



1 x HDMI Cable



1 x Ethernet cable



1 x DVR Power Adapter



1 x USB Mouse



Quick Setup Guide

Disclaimers:

- Recording time may vary based on recording resolution and quality, lighting conditions and movement in the scene.
- Accuracy of Smart Motion Detection or Person and Vehicle 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.
- Accuracy of Face Detection and Face Recognition will be influenced by the distance of the face from the camera. Partially or fully covered faces will not be detected. Night vision will impact the accuracy of Face Detection. Facial 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.
- Face Detection and Face Recognition are available on up to 2 channels only. Smart Motion Detection can not be enabled on all channels while Face Detection or Face Recognition is enabled.
- Virtual Fence is available on up to 2 channels only. Smart Motion Detection can not be enabled on the same channel when a single channel is enabled. To enable Virtual Fence on 2 channels, Smart Motion Detection must be disabled on all channels.
- Compatible with select Lorex cameras only. For a list of compatible cameras, please visit www.lorex.com/compatibility
- 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.
- Requires a high-speed internet connection and a router (not included) for remote access. A minimum upload speed of 7.5Mbps is required for the best 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/support
- Both firmware and software must be updated to latest version to ensure remote connectivity in all areas or networks. For compatibility, features, instructions visit: www.lorex.com/smarthome
- HDMI output supports up to 4K for high definition multi-channel live or recorded video viewing. Image quality and resolution is dependent on the type of camera connected to the DVR, as well as TV/monitor resolution.
- AppleTV[™] or Chromecast[™] need to be connected to the same network as your recorder. Requires AppleTV Gen 4 or newer with Lorex Home Apple TV APP or Chromecast[™] device connected to the TV that you want to view the system on.

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