Lorex N4K4-164WBDL

Lorex Fusion 4K NVR System User Manual

Model: N4K4-164WBDL

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Lorex Fusion 4K 8MP 16 Camera Capable NVR System. Please read this manual thoroughly before using the product to ensure proper setup and functionality. Keep this manual for future reference.

2. PACKAGE CONTENTS

Verify that all components listed below are included in your package. If any items are missing or damaged, please contact Lorex customer support.

- 1 x Lorex Fusion 4K 16-Channel NVR (Network Video Recorder)
- 4 x Lorex 8MP IP Dual Lens Cameras
- Power Adapter for NVR
- Ethernet Cable
- HDMI Cable
- USB Mouse
- Mounting Hardware for Cameras
- Quick Start Guide

Image: Lorex Fusion 4K NVR System with 4 IP Dual Lens Cameras and the NVR unit.

3. SETUP

3.1 NVR Initial Setup

1. **Connect Power:** Plug the NVR power adapter into the NVR and a power outlet.
2. **Connect to Monitor:** Use the included HDMI cable to connect the NVR to a monitor or TV.
3. **Connect Mouse:** Plug the USB mouse into a USB port on the NVR.
4. **Connect to Network:** Connect an Ethernet cable from the NVR's LAN port to your router or network switch for internet access.

3.2 Camera Installation

The Lorex IP Dual Lens Cameras are designed for outdoor and indoor use, featuring an IP67 weatherproof rating.

Image: A Lorex IP camera mounted on a wall, illustrating its IP67 weatherproof design suitable for outdoor conditions.

1. **Choose Location:** Select a suitable location for each camera, ensuring a clear field of view and proximity to an Ethernet cable connection. Consider mounting height for optimal detection and security.
2. **Mount Cameras:** Use the provided mounting hardware to securely attach the cameras to a wall or ceiling. Ensure the camera is firmly fixed to prevent movement.
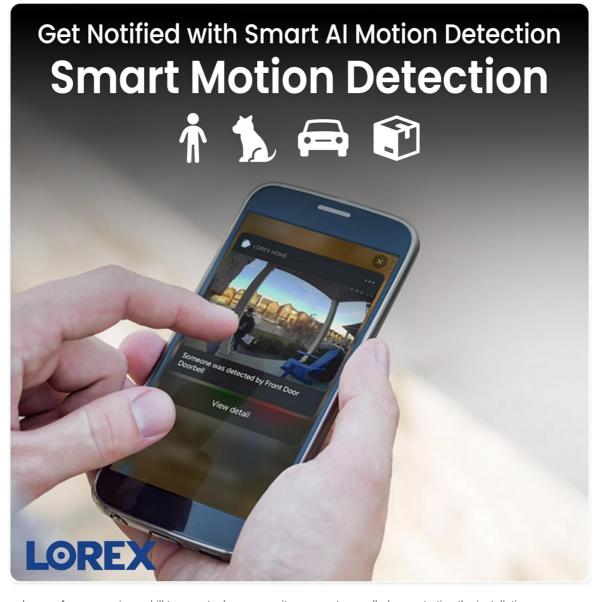
Image: A person using a drill to mount a Lorex security camera to a wall, demonstrating the installation process.

3. **Connect Cameras to NVR:** Connect each camera to an available PoE (Power over Ethernet) port on the back of the NVR using Ethernet cables. This provides both power and video signal.

Image: A close-up view of multiple yellow Ethernet cables plugged into ports on a network device, symbolizing the reliable wired security connection.

4. OPERATING INSTRUCTIONS

4.1 System Access and Live View

Once the NVR and cameras are connected, the system will automatically detect and display the camera feeds on the connected monitor. Use the USB mouse to navigate the NVR's on-screen interface.

4.2 Mobile App Access (Lorex Home App)

For remote viewing and advanced features, download the Lorex Home app from your smartphone's app store. Follow the in-app instructions to add your NVR system by scanning the QR code on the NVR or entering its device ID.

4.3 Two-Way Talk

The dual-lens cameras support two-way audio communication. Through the Lorex Home app, you can speak through the camera's speaker and listen through its microphone, allowing for direct interaction with visitors or deterring intruders.

Image: A Lorex camera mounted on a wall with speech bubbles, one saying "Please leave it by the door. Thank you!" and another "Hello, package delivery.", illustrating the two-way talk feature.

5. Key Features

5.1 4K Ultra HD Resolution

The system records and displays video in stunning 4K (8MP) Ultra HD resolution, providing clear and detailed footage for enhanced security monitoring.

5.2 180° Panoramic View

Equipped with dual lenses, the cameras offer an expansive 180-degree panoramic field of view, minimizing blind spots and providing a comprehensive overview of your property.

Image: A smartphone screen displaying a wide 180-degree panoramic view captured by a Lorex camera, showing a street and houses.

5.3 Color Night Vision

Experience full-color video surveillance even in low-light conditions, providing more detailed and accurate identification compared to traditional black and white night vision.

5.4 Smart Security Lighting

The cameras feature integrated dual LED lights that can be configured to activate upon motion detection, serving as a deterrent and providing illumination for color night vision.

Image: A Lorex camera mounted on a wall at dusk, with outlines highlighting its Smart Security Lighting and Dual LED Lights features.

5.5 Smart AI Motion Detection

The system utilizes advanced In-Camera Edge AI to differentiate between various objects, providing accurate alerts for persons, vehicles, animals, and packages, reducing false alarms.

LOREX®

Reliable Wired Security
A stable wired camera connection provides reliable 24/7 no-fee local storage

Image: A hand holding a smartphone displaying a Lorex Home app notification: "Someone was detected by Front Door Doorbell", with icons for person, dog, car, and package, indicating smart motion detection.

5.6 Local Storage with No Monthly Fees

The NVR includes a pre-installed 2TB hard drive for secure, continuous local recording, eliminating the need for cloud storage subscriptions or recurring monthly fees.

Image: An open NVR unit revealing an internal hard drive and a separate microSD card, emphasizing local storage without monthly fees.

6. MAINTENANCE

- **Camera Lens Cleaning:** Periodically clean the camera lenses with a soft, lint-free cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Firmware Updates:** Check the Lorex website or the Lorex Home app regularly for firmware updates for your NVR and cameras. Keeping firmware updated ensures optimal performance and security.
- **Hard Drive Management:** The NVR's hard drive will automatically overwrite the oldest footage when full. You can configure recording settings and backup important footage via the NVR interface or Lorex Home app.

7. TROUBLESHOOTING

7.1 No Video Display

- Ensure the NVR is powered on and the power adapter is securely connected.
- Verify the HDMI cable connection between the NVR and the monitor.

- Check that each camera is properly connected to a PoE port on the NVR and that the Ethernet cables are not damaged.

7.2 No Network Connection

- Confirm the Ethernet cable is securely connected from the NVR to your router/switch.
- Check your router's internet connection.
- Restart the NVR and your router.

7.3 Motion Detection Not Triggering

- Review motion detection settings in the NVR interface or Lorex Home app. Adjust sensitivity and detection zones.
- Ensure the camera lens is clean and free from obstructions.
- Verify that the camera's view is not blocked by objects or excessive light/shadow changes.

8. SPECIFICATIONS

Feature	Specification
Brand	Lorex
Model Number	N4K4-164WBDL
Connectivity Technology	Wired
Video Capture Resolution	4K UHD 2160p
Number of Channels	16 (NVR Capable)
Included Cameras	4 IP Dual Lens Cameras
Storage Capacity	2TB NVR (Local Storage)
Weatherproof Rating	IP67 (Cameras)
Night Vision	Color Night Vision, Low Light Technology
Motion Detection	Smart AI (Person, Vehicle, Animal, Package)
Audio	2-Way Talk
Panoramic View	180 Degrees (Dual Lens Cameras)
Operating System	Embedded Operating System (RTOS)
Dimensions (NVR)	14.7 x 12.9 x 2.1 inches
Item Weight (System)	28.3 pounds
UPC	695529059648

9. WARRANTY AND SUPPORT

Related Documents - N4K4-164WBDL

[Lorex N91 Series 4K Fusion Wired NVR System Quick Start Guide](#)
Begin your setup with the Lorex N91 Series 4K Fusion Wired NVR System Quick Start Guide. This document provides essential steps for connecting your NVR, cameras, and network, along with package contents and app integration details for comprehensive surveillance.