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Lorex AZT-872DLB

Lorex Classic 4K Dual-Lens PoE Camera

Model: AZT-872DLB

Instruction Manual

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your Lorex Classic 4K Dual-Lens PoE Camera (Model: AZT-872DLB). Please read this manual thoroughly before using the product to ensure proper setup and functionality. Keep this manual for future reference.

Key Features:

- **Dual-Lens 180° Panoramic View:** Two professional-grade lenses provide a continuous ultra-wide field of view.
- **4K Ultra HD Resolution:** Delivers crisp, detailed video for enhanced clarity.
- **Color Night Vision:** Full-color video in low-light conditions and clear black-and-white footage in total darkness with infrared night vision.
- **Smart Security Lighting:** Customizable LED light band with over 16 million color options for motion events and camera modes.
- **Smart Motion Detection:** Intelligent analytics for detecting people, vehicles, faces, packages, and animals.
- **Auto-Tracking:** Automatically follows and zooms in on moving subjects.
- **Proactive Deterrence:** Motion-activated warning lights and a built-in siren.
- **2-Way Talk:** Communicate directly through the camera.
- **IP67 Weatherproof:** Durable housing designed for year-round outdoor use.
- **PoE (Power over Ethernet):** Simplified installation with power and data over a single Ethernet cable.

2. What's in the Box

Verify that all items listed below are included in your package:

- 1x Lorex 4K Dual-Lens Bullet Camera
- Mounting Kit (Mounting Template, anchors & screws)



Image: Front view of the Lorex Classic 4K Dual-Lens PoE Camera, showing the dual lenses and LED lights.

3. Setup and Installation

3.1 Before You Begin

- This camera requires a compatible Lorex NVR (N910 & N920 Series Recorders recommended) for operation.
- Ensure you have the necessary tools: drill, screwdriver, Ethernet cable (not included).
- Plan your camera's location, considering the 180° panoramic view and proximity to your NVR.

3.2 Physical Installation

1. **Mounting Location:** Choose a suitable outdoor location that provides the desired viewing angle and is within reach of an Ethernet cable run to your NVR. The camera is IP67 weatherproof, suitable for various conditions.
2. **Drill Holes:** Use the provided mounting template to mark and drill pilot holes for the mounting screws.
3. **Secure Camera:** Attach the camera securely to the mounting surface using the provided screws and anchors.
4. **Cable Connection:** Connect an Ethernet cable from the camera to an available PoE port on your Lorex NVR. The camera will receive both power and data through this single cable.



Image: Side view of the Lorex Classic 4K Dual-Lens PoE Camera, showing its mounting bracket and the Lorex branding.



Image: Close-up of an Ethernet cable being connected to an NVR, illustrating the wired PoE connection.

3.3 Initial Configuration

1. **Power On NVR:** Ensure your Lorex NVR is powered on and connected to a display.
2. **Camera Detection:** The NVR should automatically detect and add the new camera. Follow any on-screen prompts for initial setup.
3. **Lorex Classic App:** Download the Lorex Classic app from your device's app store. Follow the in-app instructions to add your NVR and connected camera for remote viewing and control.



Image: A smartphone displaying the Lorex Classic App icon, indicating mobile app control.

4. Operation

4.1 Live View and Recording

Access the live view of your camera through your Lorex NVR or the Lorex Classic mobile app. The NVR will continuously record footage based on its settings. You can review recorded footage via the NVR interface or the mobile app.



Image: A smartphone screen showing the 180° panoramic view captured by the camera, demonstrating its wide coverage.

4.2 Smart Motion Detection and Alerts

The camera utilizes advanced AI to detect specific events. Configure alert types and notification preferences through the Lorex Classic app or NVR settings.

- **Person Detection:** Receive alerts when a person is detected.
- **Vehicle Detection:** Receive alerts when a vehicle is detected.
- **Face Detection:** Receive alerts when a face is detected.
- **Animal Detection:** Receive alerts when an animal is detected.
- **Package Detection:** Receive alerts when a package is detected.

Image: The Lorex camera with visual indicators for in-camera Edge AI, highlighting its ability to detect people, vehicles, animals, and packages.

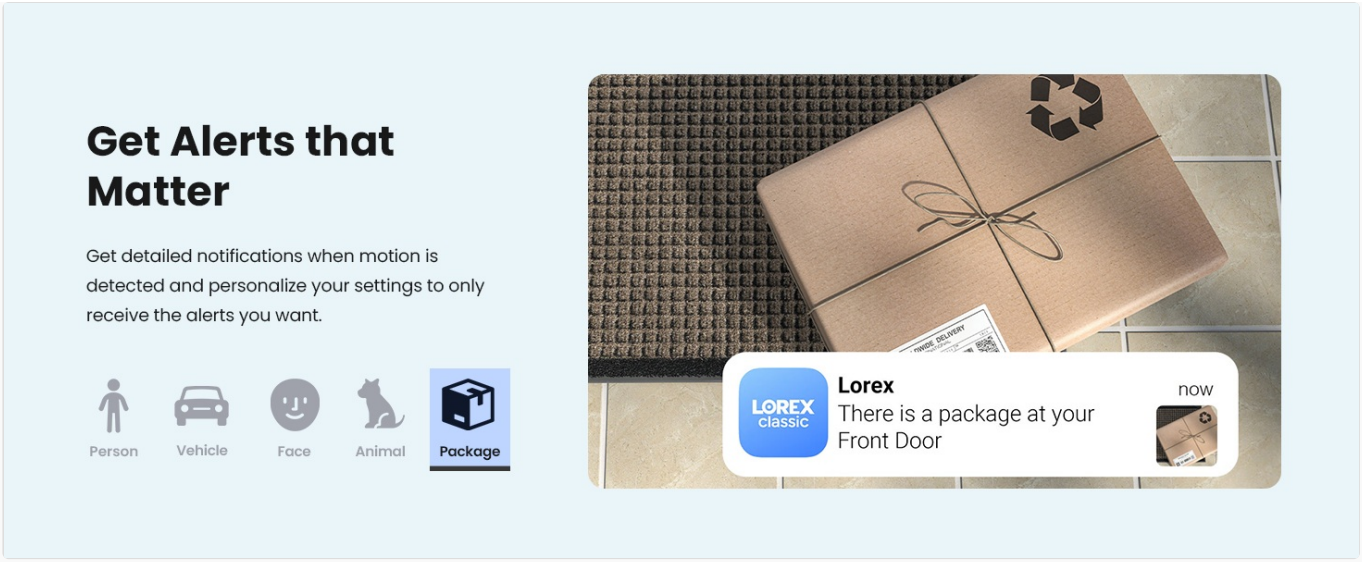


Image: A smartphone displaying a notification from the Lorex app, indicating that a package has been detected at the front door.

4.3 Auto-Tracking

When enabled, the camera can automatically follow and zoom in on moving people, animals, or vehicles within its field of view, providing dynamic event tracking. This feature can be configured in the camera settings via the NVR or mobile app.



Image: A person walking on a sidewalk with a yellow box highlighting them, illustrating the auto-framing and tracking feature.

4.4 Smart Security Lighting and Proactive Deterrence

Customize the camera's LED light band colors and activate warning lights or the built-in siren in response to motion events. This can be configured to deter unwanted activity.

Image: A diagram illustrating the Smart Security Lighting feature with dual LED lights on the camera, showing how light can be used for security.

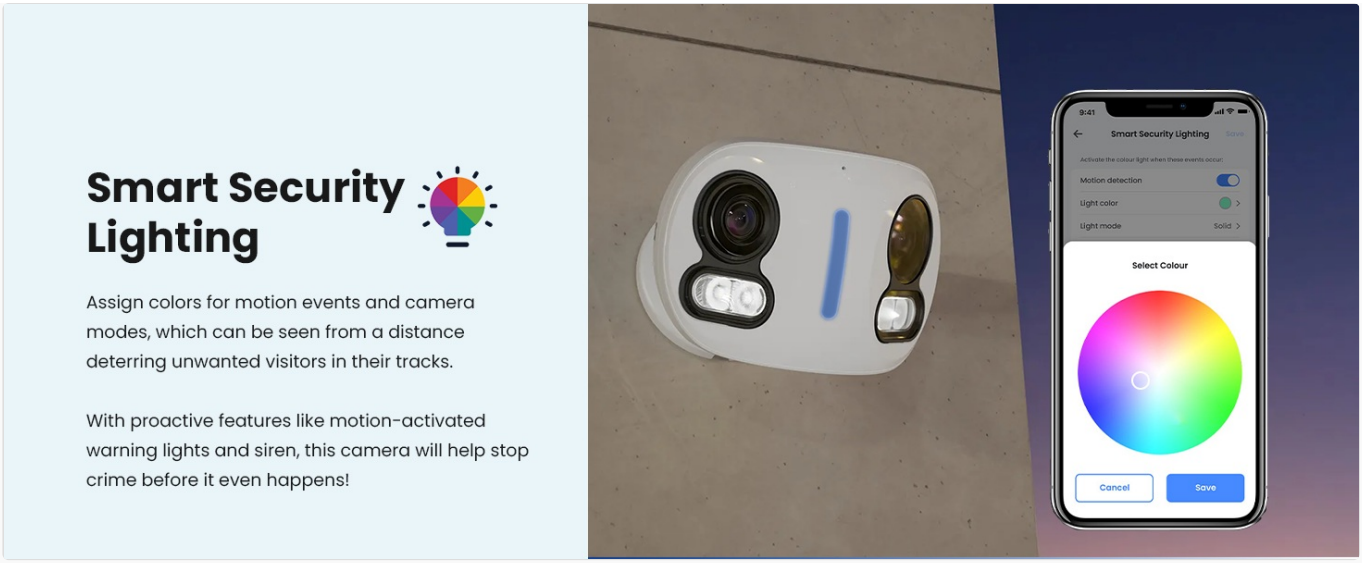


Image: A smartphone screen showing the Lorex app interface for selecting custom colors for the smart security lighting.

4.5 2-Way Talk

Use the Lorex Classic app to engage in two-way conversations through the camera's built-in speaker and microphone. This allows you to communicate with visitors or deter intruders.

Image: A person using a smartphone to communicate with a delivery person at the door, demonstrating the 2-Way Talk feature.

4.6 Night Vision

The camera automatically switches to night vision in low-light conditions. Color Night Vision provides full-color images with sufficient ambient light, while infrared night vision offers clear black-and-white footage in total darkness.

Image: A split image comparing traditional infrared night vision (black and white) with Lorex's Color Night Vision, showing enhanced detail and color in low light.

5. Maintenance

5.1 Cleaning the Camera

To ensure optimal image quality, periodically clean the camera lens and housing. Use a soft, damp cloth. Avoid harsh chemicals or abrasive cleaners that could damage the lens or finish.

5.2 Firmware Updates

Regularly check for firmware updates for your camera and NVR through the Lorex Classic app or the Lorex support website. Keeping your devices updated ensures the latest features and security enhancements.

5.3 Environmental Considerations

The camera is rated IP67 for weather resistance. While designed for outdoor use, extreme weather conditions (e.g., prolonged heavy snow, direct lightning strikes) may still impact performance. Ensure the camera is securely mounted to withstand wind and other elements.



Image: The Lorex camera mounted on an outdoor wall during snowy weather, emphasizing its year-round durability and IP67 rating.

6. Troubleshooting

If you encounter issues with your Lorex Classic 4K Dual-Lens PoE Camera, refer to the following common problems and solutions:

Problem	Possible Solution
No image/video from camera	• Ensure the Ethernet cable is securely connected to both the camera and the NVR. • Verify the NVR is powered on and functioning correctly. • Check if the camera's PoE port on the NVR is active. • Try connecting the camera to a different PoE port on the NVR. • Perform a hard reset on the camera (refer to the reset button location on the camera body).
Poor image quality	• Clean the camera lens with a soft cloth. • Ensure there are no obstructions in the camera's field of view. • Check NVR display settings for resolution. • Verify the camera's resolution settings in the NVR or app.
Motion detection not working	• Check motion detection settings in the Lorex Classic app or NVR. • Ensure detection zones are properly configured. • Adjust sensitivity settings.
2-Way Talk audio issues	• Ensure microphone and speaker settings are enabled in the app/NVR. • Check volume levels on your mobile device and NVR. • Verify network connectivity for clear audio transmission.



Image: Back view of the Lorex Classic 4K Dual-Lens PoE Camera, indicating the location of the reset button.

7. Specifications

Feature	Detail
Model Name	AZT-872DLB
Resolution	4K (8MP) Ultra HD
Viewing Angle	180 Degrees Panoramic
Connectivity	Wired Ethernet (PoE)
Night Vision	Color Night Vision, IR LED (30 Meters range)
Audio	2-Way Audio
Special Features	Motion Sensor, Person Detection, Vehicle Detection, Face Detection, Animal Detection, Package Detection, Smart Security Lighting, Auto-Tracking
Weather Resistance	IP67 Weatherproof
Material	Aluminum
Dimensions	6.9 x 4.3 x 3.1 inches
Power Source	Wired AC/DC (via PoE)
Frame Rate	15 frames per second

Feature	Detail
Compatible Devices	Lorex NVR (N910 & N920 Series), Mobile App

8. Warranty Information

For detailed warranty information regarding your Lorex Classic 4K Dual-Lens PoE Camera, please refer to the warranty card included with your product or visit the official Lorex website. Warranty terms and conditions may vary by region and product.

9. Customer Support

If you require further assistance, technical support, or have questions not covered in this manual, please contact Lorex customer support. You can find contact information, FAQs, and additional resources on the official Lorex website:

www.lorex.com/support

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This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



Image: Close-up of the FCC compliance label attached to the camera's cable.

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