

Losuudy K01

Losuudy K1 Wired HD1080P Backup Camera Instruction Manual

Model: K01

1. PRODUCT OVERVIEW

The Losuudy K1 is a wired HD1080P backup camera designed to enhance rear visibility for vehicles. It is specifically compatible with Losuudy L-A1 and L-A2 camera systems. This camera provides clear, full-color images even in low-light conditions, without relying on infrared night vision. Its robust IP68 waterproof rating ensures reliable performance in various weather conditions.



Image 1.1: Front view of the Losuudy K1 Wired HD1080P Backup Camera. This camera features a compact design with a durable mounting bracket, providing a wide-angle view for enhanced safety.

Key Features:

- **HD 1080P Resolution:** Delivers high-definition video for clear rear views.
- **Full-Color Low Light Performance:** Maintains color images in dim conditions without IR.
- **IP68 Waterproof Rating:** Ensures protection against dust and water immersion.
- **Temperature Resistant:** Operates effectively in temperatures from -4°F to 158°F (-20°C to 70°C).
- **Compatibility:** Designed for use with Losuudy L-A1 and L-A2 series camera systems.
- **Included Cable:** Comes with a 7-meter extension cable for installation.

Note: This camera is not compatible with Losuudy L-A5, L-A6, L-A7, L-SR2, or L-SR3 systems.

2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance of your Losuudy K1 backup camera. This section outlines general steps for mounting and wiring. Professional installation is recommended if you are unfamiliar with vehicle electrical systems.

2.1 Package Contents

- Losuudy K1 Backup Camera (1)

- 7-meter Extension Cable (1)
- Mounting Hardware (screws, etc.)

2.2 Mounting the Camera

1. **Choose a Location:** Select a suitable mounting location at the rear of your vehicle, typically above the license plate or on the bumper, ensuring a clear view of the area behind the vehicle.
2. **Secure the Bracket:** Use the provided mounting hardware to securely attach the camera's bracket to the chosen surface. Ensure the camera is oriented correctly.
3. **Adjust Angle:** Once mounted, adjust the camera's angle to achieve the desired field of view. Tighten any adjustment screws to fix the position.



Image 2.1: Diagram showing the approximate dimensions of the Losuudy K1 Backup Camera (2.99" width, 2.32" height). This helps in planning the mounting location.

2.3 Wiring the Camera

1. **Connect Video Cable:** Connect the video output cable from the K1 camera to the video input port on your compatible Losuudy L-A1 or L-A2 camera system monitor. The K1 uses an RCA connector type.
2. **Connect Power:** Connect the camera's power cable to a suitable 12V DC power source. This is typically connected to the vehicle's reverse light circuit, so the camera activates automatically when the vehicle is in reverse. Alternatively, it can be wired to a constant 12V source if continuous operation is desired (check compatibility with your monitor system).
3. **Route Cables:** Carefully route all cables through the vehicle, ensuring they are secured and protected from damage, heat, and moisture. Avoid interfering with moving parts or safety systems.
4. **Test Connection:** Before finalizing the installation, turn on your vehicle and engage reverse gear (if wired to reverse lights) to verify the camera feed appears on your monitor.

3. OPERATING INSTRUCTIONS

The Losuudy K1 backup camera operates in conjunction with your Losuudy L-A1 or L-A2 camera system. Once properly installed and connected, its operation is generally automatic.

3.1 Automatic Activation

- If the camera is wired to your vehicle's reverse lights, the camera feed will automatically display on your compatible monitor when the vehicle is shifted into reverse gear.
- If wired to a constant power source, the camera may provide a continuous feed, depending on your monitor system's settings and capabilities. Refer to your L-A1 or L-A2 system manual for monitor-specific operation.

3.2 Viewing the Feed

- The HD1080P resolution provides a clear, wide-angle view of the area behind your vehicle.

- The camera's low-light capabilities ensure visibility even in dimly lit environments, displaying full-color images.

Always use your mirrors and perform head checks in addition to using the backup camera for complete situational awareness.

4. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Losuudy K1 backup camera.

4.1 Cleaning the Lens

- Periodically clean the camera lens with a soft, damp cloth to remove dirt, dust, and water spots.
- Avoid using abrasive cleaners or materials that could scratch the lens.

4.2 Checking Connections

- Occasionally inspect all cable connections (video and power) to ensure they are secure and free from corrosion or damage.
- Verify that cables are still properly routed and not exposed to excessive wear or environmental elements.

4.3 Environmental Considerations

- Despite its IP68 rating, extreme conditions can still affect performance. Ensure the camera is not obstructed by snow, ice, or heavy mud.
- The camera is designed for wide temperature ranges, but prolonged exposure to temperatures outside its operating range (-4°F to 158°F) should be avoided if possible.

5. TROUBLESHOOTING

If you encounter issues with your Losuudy K1 backup camera, refer to the following common troubleshooting steps.

5.1 No Image on Monitor

- **Check Power:** Ensure the camera is receiving power. If wired to reverse lights, verify the vehicle is in reverse and the lights are functioning.
- **Check Video Connection:** Confirm the RCA video cable is securely connected at both the camera and the monitor.
- **Monitor Input:** Verify your L-A1 or L-A2 monitor is set to the correct video input channel for the camera.
- **Cable Integrity:** Inspect the extension cable for any visible damage or kinks.

5.2 Poor Image Quality

- **Clean Lens:** Clean the camera lens as described in the Maintenance section.
- **Lighting Conditions:** While the camera has good low-light performance, extremely dark environments may still affect clarity. Ensure any vehicle lights are functioning.
- **Connection Quality:** A loose or damaged video connection can degrade image quality. Re-seat connections or inspect cables.

5.3 Intermittent Image

- **Loose Connections:** This is often caused by loose power or video connections. Secure all connections.
- **Power Fluctuations:** Ensure a stable 12V power supply to the camera.

If these steps do not resolve the issue, please contact Losuudy customer support for further assistance.

6. SPECIFICATIONS

Feature	Specification
Model Number	K01
Resolution	HD 1080P
Waterproof Rating	IP68
Operating Temperature	-4°F to 158°F (-20°C to 70°C)
Connector Type	RCA
Real Angle of View	150 Degrees
Optical Sensor Technology	CMOS
Product Dimensions	6.3 x 3.9 x 3.15 inches (16 x 9.9 x 8 cm)
Item Weight	1.04 pounds (0.47 kg)
Included Cable Length	7 meters

7. WARRANTY AND SUPPORT

Losuudy is committed to providing quality products and customer satisfaction.

7.1 Customer Support

If you have any questions, require assistance with installation, or encounter issues not covered in this manual, please do not hesitate to contact Losuudy customer service. Our support team is available 24 hours a day to assist you.

For support, please visit the [Losuudy Store on Amazon](#) or refer to the contact information provided with your purchase.

7.2 Warranty Information

Specific warranty details for the Losuudy K1 backup camera are typically included with your product packaging or available on the official Losuudy website. Please retain your proof of purchase for warranty claims.