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Kairiyard B0C5J6L5C4

Kairiyard 5-Inch Backup Camera System User Manual

Model: B0C5J6L5C4 | Brand: Kairiyard

Product Overview

The Kairiyard 5-inch Backup Camera System is designed to enhance vehicle safety by providing a clear rear view. It features a 170° wide-angle camera with night vision capabilities and a waterproof design, suitable for various DC 12V vehicles such as cars, pickup trucks, SUVs, and small vans.

- **Two Installation Methods:** Can be powered by the reverse light or directly connected to a 12V cigarette lighter for simplified setup.
- **Stable Signal Transmission:** Wired connection ensures a stable HD 720P image without interference.
- **Wide Viewing Angle:** 170° wide-angle camera with 45° adjustability provides a comprehensive view, reducing blind spots.
- **Enhanced Night Vision:** Equipped with 4 super bright LED lights for clear images in low-light conditions.
- **HD 5-inch Monitor:** 800*480 resolution LCD display with a 360-degree rotatable bracket for dash or windshield mounting.
- **Durable and Waterproof:** IP69 waterproof camera with an aluminum alloy housing, designed to withstand harsh weather.

Package Contents



Image: All components included in the Kairiyard 5-inch Backup Camera System package.

Before beginning installation, please verify that all components listed below are present in your package:

- 5-inch Monitor
- Camera
- Monitor Bracket
- Cigarette Lighter Power Adapter
- Power Cable (for monitor)
- Video Cable (RCA)
- User Manual

Setup and Installation

The Kairiyard backup camera system offers two primary installation methods. Choose the method that best suits your vehicle and preferences.

Wiring Diagram Overview

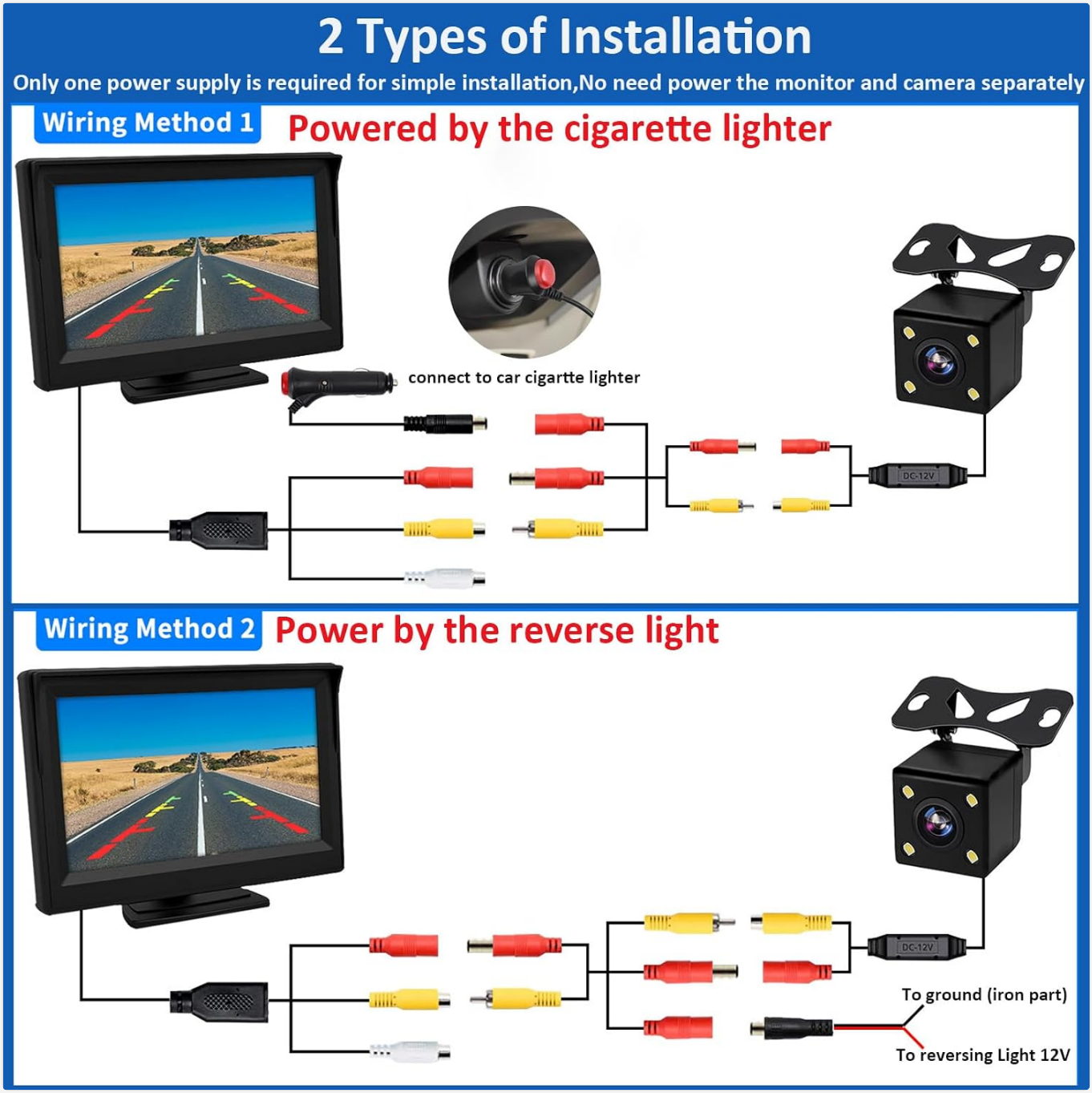


Image: Detailed wiring diagrams for connecting the backup camera system via cigarette lighter or reverse light.

Method 1: Powered by Cigarette Lighter

1. **Mount the Monitor:** Attach the 5-inch monitor to your dashboard or windshield using the provided bracket. Adjust the angle for optimal viewing.
2. **Connect Monitor Power:** Plug the monitor's power cable into the cigarette lighter adapter.
3. **Connect Camera to Monitor:** Connect the video cable from the camera to the video input on the monitor.
4. **Power the Camera:** Connect the camera's power cable to the cigarette lighter adapter. Ensure all connections are secure.
5. **Test System:** Start your vehicle and check if the camera image appears on the monitor.

Note: This method provides continuous power to the camera and monitor when the vehicle's cigarette lighter socket is active.

Method 2: Powered by Reverse Light

1. **Mount the Monitor:** Attach the 5-inch monitor to your dashboard or windshield using the provided bracket.

2. **Connect Monitor Power:** Connect the monitor's power cable to a 12V power source in your vehicle (e.g., fuse box, accessory power).
3. **Connect Camera to Monitor:** Connect the video cable from the camera to the video input on the monitor.
4. **Power the Camera:** Connect the camera's red power wire to the positive (+) wire of your vehicle's reverse light. Connect the camera's black ground wire to a metal chassis ground point (iron part) on your vehicle.
5. **Test System:** Put your vehicle in reverse gear. The camera image should automatically appear on the monitor.

Note: This method activates the camera and monitor only when the vehicle is in reverse gear.

Camera and Monitor Placement Examples



Image: Visual examples demonstrating typical mounting locations for the monitor on the dashboard and the camera near the license plate.

Operating Instructions

Once installed, the Kairiyard backup camera system is designed for straightforward operation.

Monitor Operation



Image: Diagram illustrating the dimensions of the monitor and camera, along with the location of the UP/+, MENU, and DOWN/- buttons on the monitor.

The 5-inch LCD monitor features buttons for basic adjustments:

- **UP/+ Button:** Used to navigate menus or increase values.
- **MENU Button:** Accesses the monitor's settings menu.
- **DOWN/- Button:** Used to navigate menus or decrease values.

Refer to the on-screen menu for specific options such as brightness, contrast, and color adjustments.

Camera Functionality



Image: A view from the driver's perspective showing the Kairiyard backup camera monitor displaying the rear view with parking guidelines.

The camera provides a 170° wide viewing angle, significantly reducing blind spots behind your vehicle. The camera's angle can be adjusted by 45° during installation to optimize the view.

Night Vision



Image: Side-by-side comparison showing the clear image quality of the Kairiyard backup camera during the day and its enhanced night vision capabilities.

The camera is equipped with 4 super bright LED lights that automatically activate in low-light conditions, providing clear night vision. This feature greatly enhances visibility and safety when reversing in the dark.

Image Quality



Image: A visual comparison highlighting the Kairiyard camera's 170° viewing angle, 6-piece glass lens, colorful image, HD 1280x720P resolution, and starlight night vision, contrasted with a generic camera's smaller angle and lower quality.

The camera utilizes a 6-glass lens system to produce realistic and high-definition 720P images. The 170° viewing angle ensures a comprehensive and non-deformable image.

Maintenance

The Kairiyard backup camera system is designed for durability and minimal maintenance.

Waterproof Design

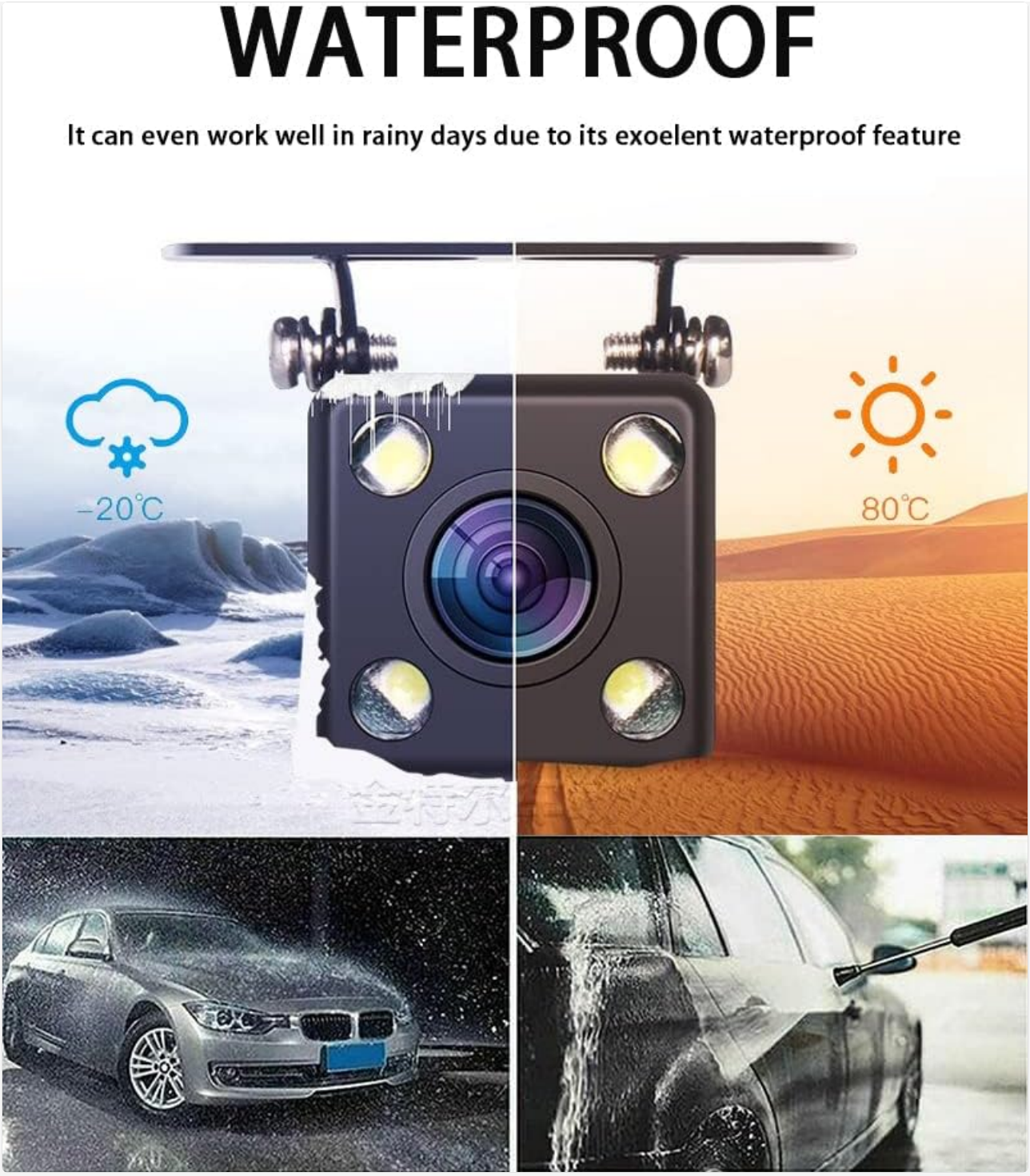


Image: Illustrations demonstrating the IP69 waterproof rating of the Kairiyard camera, showing its resilience in cold weather (-20°C), hot weather (80°C), rain, and during car washes.

The camera boasts an IP69 waterproof rating and features an aluminum alloy housing with fully sealed glue filling. This design ensures protection against water, fog, and mist, allowing the camera to function reliably in various weather conditions, including rain and extreme temperatures (-20°C to 80°C).

Cleaning: Periodically clean the camera lens with a soft, damp cloth to ensure a clear view. Avoid using abrasive cleaners.

Troubleshooting

If you encounter issues with your Kairiyard backup camera system, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on monitor	• Loose power connection to monitor or camera. • Incorrect video cable connection. • No power to the cigarette lighter socket (if applicable). • Vehicle not in reverse (if wired to reverse light).	• Check all power connections for monitor and camera. • Ensure the video cable is securely connected to both the camera and monitor. • Verify the cigarette lighter socket is active. • Engage reverse gear to activate the system.
Fuzzy or distorted image	• Dirty camera lens. • Loose video cable connection. • Interference from other electronic devices.	• Clean the camera lens with a soft cloth. • Check and secure the video cable connections. • Ensure proper grounding and routing of cables away from high-power lines.
Night vision not working	• LED lights on camera are obstructed or damaged. • Insufficient power supply to camera.	• Check for any obstructions on the camera's LED lights. • Verify stable 12V power supply to the camera.

If the problem persists after attempting these solutions, please contact Kairiyard customer support for further assistance.

Specifications

Feature	Specification
Brand	Kairiyard
Screen Size	5 Inches
Product Dimensions (Monitor)	5"L x 3"W x 0.4"H
Compatible Devices	Monitor
Display Technology	LCD
Installation Type	Surface Mount
Video Capture Resolution	720p
Voltage	12 Volts
Optical Sensor Technology	CMOS
Effective Still Resolution	0.92 MP
Viewing Angle	170°
Waterproof Rating	IP69

Warranty and Support

Kairiyard is committed to providing high-quality products and customer satisfaction. While specific warranty details are

not provided in this manual, most Kairiyard products come with a standard manufacturer's warranty covering defects in materials and workmanship.

For warranty claims, technical support, or any questions regarding your Kairiyard 5-inch Backup Camera System, please contact Kairiyard customer service through the retailer where you purchased the product or visit the official Kairiyard brand store on Amazon:

Visit Kairiyard Store on Amazon

Please have your product model number (B0C5J6L5C4) and purchase information ready when contacting support.

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