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› Kairiyard Backup Camera, 7 Inch HD 1080P Reverse Rear View Camera 150° Wide Angle Wired Back up Camera System for Truck Car Trailer Camper Tractor 7"+ 1 Camera User Manual

Kairiyard 7"+ 1 Camera

Kairiyard 7 Inch HD 1080P Wired Backup Camera System User Manual

Model: 7"+ 1 Camera

Brand: Kairiyard

INTRODUCTION

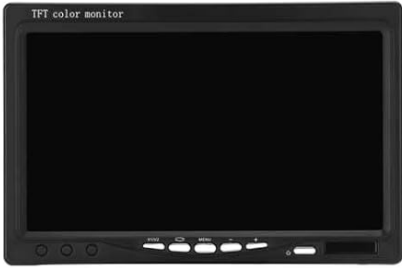
This user manual provides detailed instructions for the installation, operation, and maintenance of your Kairiyard 7 Inch HD 1080P Wired Backup Camera System. This system is designed to enhance safety and convenience when reversing or maneuvering various vehicles, including trucks, cars, trailers, campers, and tractors, by providing a clear, stable, and wide-angle view of the area behind your vehicle.

WHAT'S IN THE BOX

Please verify that all components listed below are included in your package:

- 1 x 7-inch HD 1080P Monitor
- 1 x 1080P Backup Camera
- 1 x Monitor Bracket
- 1 x 49.2ft (15m) Video Power Cable
- 1 x Cigarette Lighter Power Adapter
- 1 x Power Cable (for direct wiring)
- 2 x Mounting Screws
- 1 x Sunshade for Monitor
- 1 x User Manual (this document)

BACKUP LINES ON/OFF



Monitor*1



Camera*1



Bracket*1



49.2ft Wire*1



Lighter Adapter*1



Power Cable*1



Screws*2



Sunshade*1



Instruction manua*1

Image: All components included in the Kairiyard Backup Camera System kit, showing the monitor, camera, cables, and accessories.

SPECIFICATIONS

Product Dimensions	6.8 x 4.4 x 0.79 inches (Monitor)
Item Weight	2.31 pounds
Screen Size	7 Inches
Video Capture Resolution	1080p HD
Voltage	12 Volts (DC)
Optical Sensor Technology	CCD
Real Angle of View	150 Degrees
Waterproof Rating	IP65 (Camera)
Compatible Devices	Most DC 12V vehicles (truck, car, trailer, camper, tractor, RV, van, SUV)



Image: Detailed dimensions of the 7-inch monitor and the backup camera, along with the length of the video cable.

SETUP AND INSTALLATION

The Kairiyard backup camera system is designed for straightforward installation with two primary power supply options and flexible mounting for the monitor and camera.

Installation Overview

The system requires only one power supply for both the monitor and the camera, simplifying the wiring process. Connect the camera and monitor using the provided 49.2ft video power cable.



Image: Diagram illustrating the simple plug-and-play installation, showing the connection between the monitor, camera, and power source (either reverse light or cigarette lighter).

Power Supply Options

You can power the system in one of two ways:

1. **Powered by Reverse Light:** Connect the power cable to your vehicle's reverse light circuit. This will automatically activate the backup camera display when you shift into reverse.
2. **Powered by Cigarette Lighter:** Use the included cigarette lighter adapter to power the monitor. This allows the system to be continuously on or manually turned on/off, suitable for use as a front or rear view camera.

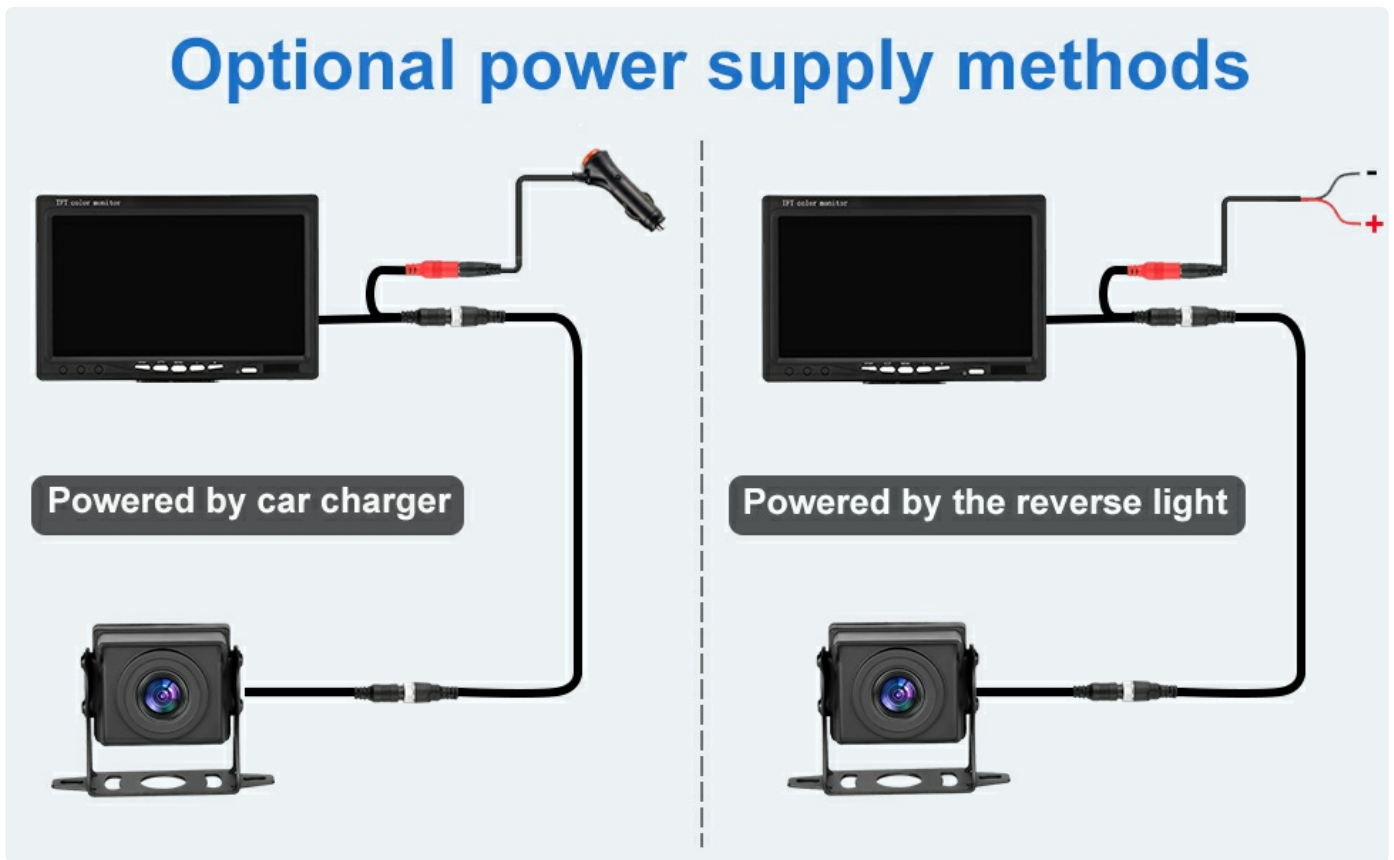


Image: Visual representation of connecting the system either to the car charger (cigarette lighter) or directly to the reverse light for automatic activation.

Monitor and Camera Placement

The monitor can be installed on your dashboard or windshield using the provided bracket. The camera should be mounted at the rear of your vehicle, ensuring a clear and unobstructed view.

Easy and Optional Installation



Image: Examples showing the camera installed on the rear of an RV, and the monitor mounted on the dashboard and windshield inside a vehicle.

Important Safety Note

! Important Safety Note !

- If powered by a cigarette lighter, the cigarette lighter can only be used in 12V automotive systems.
- A 12V socket/cigarette lighter must not be used directly in a 24V system. This constitutes severe overvoltage operation and can damage the device. For 24V vehicles, always use a dedicated 24V cigarette lighter adapter or a voltage converter.

OPERATING INSTRUCTIONS

Once installed and powered on, your Kairiyard backup camera system will provide a clear view of your surroundings.

Monitor Functions

The 7-inch HD monitor features controls for adjusting various display settings:

- **Brightness:** Adjust the screen brightness for optimal visibility in different lighting conditions.
- **Contrast:** Modify the contrast to enhance image clarity.
- **Image Flip:** The monitor supports image flipping, allowing the camera to be used as a front or rear camera, and to correct image orientation if needed.
- **Parking Lines:** The system may offer the option to display or hide parking guidelines on the screen to assist with parking maneuvers.

UPGRADE MONITOR WITH 1080P HD MONITOR

HD 1080P resolution color images, 100% true color reproduction



Image: The 7-inch monitor displaying a high-definition 1080P color image, highlighting the clear and vibrant display quality.

Camera Features

The camera provides a wide and clear view:

- **150° Wide Angle View:** Offers a broad perspective of the area behind your vehicle, minimizing blind spots. The camera is designed to provide a non-fisheye distortion image.
- **HD 1080P Resolution:** Delivers vivid and true-color images, ensuring clear visibility day or night.
- **IP65 Waterproof:** The camera is fully sealed and designed to withstand harsh weather conditions, including heavy rain and snow, ensuring reliable performance.

150° Wide Angle View

Non-fisheye distortion camera



HD 1080P Resolution Color Images



Image: Visual demonstration of the 150-degree wide-angle view from the camera and the clarity of the 1080P HD resolution on the monitor.



12V 24V Reverse Reversing Camera



Designed with fully sealed glue filling craft, our Backup Camera boasts an International **IP65** Standard Waterproof level.

Image: Close-up of the backup camera, highlighting its robust, sealed, and waterproof design, along with its adjustable mounting bracket allowing for 360-degree rotation.

MAINTENANCE

To ensure the longevity and optimal performance of your Kairiyard Backup Camera System, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the camera lens and monitor screen with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the surfaces.
- **Cable Inspection:** Periodically check all cables and connections for any signs of wear, fraying, or corrosion. Ensure connections remain secure.
- **Camera Housing:** While the camera is IP65 waterproof, it's good practice to occasionally wipe down the housing to prevent dirt buildup, especially after driving in muddy or dusty conditions.
- **Monitor Protection:** When not in use for extended periods, or if exposed to direct sunlight, consider using the included sunshade or a cover for the monitor to protect it from extreme temperatures and UV exposure.

TROUBLESHOOTING

If you encounter any issues with your Kairiyard Backup Camera System, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on monitor	<ul style="list-style-type: none">• Power connection issue• Video cable disconnected or damaged• Camera malfunction	<ul style="list-style-type: none">• Check if the monitor is receiving power (power indicator light).• Ensure all cable connections are secure and not damaged.• Verify the power source (cigarette lighter or reverse light) is functional.
Flickering or distorted image	<ul style="list-style-type: none">• Loose video cable connection• Electrical interference• Insufficient power	<ul style="list-style-type: none">• Securely re-connect the video cable.• Ensure the wiring is not running parallel to high-current electrical lines.• Check vehicle's electrical system for stable 12V output.
Image is upside down or mirrored	Incorrect image flip setting	Access the monitor's menu settings and adjust the image flip option until the orientation is correct.
No signal delay (wired system)	This system is wired, ensuring stable signal transmission without delays, interference, or fluctuations.	This is a feature, not a problem. Enjoy the real-time data and 1080P color images.

