YIMU K4302

YIMU Backup Camera System User Manual

Model: K4302

1. Product Overview

The YIMU K4302 Backup Camera System is designed to enhance vehicle safety and parking convenience. This wired system provides a stable, clear HD image from a 150° wide-angle camera to a 4.3-inch monitor. It features flexible installation options, including a license plate bracket and an additional small bracket for alternative mounting. The system is IP69K waterproof, ensuring durability in various weather conditions, and offers customizable parking guide lines.



Figure 1.1: YIMU K4302 Backup Camera System components, including the monitor, license plate camera, and an additional bracket for flexible mounting.

2. Package Contents

Before beginning installation, please verify that all items listed below are included in your package:

- 1 x Camera
- 1 x Monitor
- 1 x Car Charger
- 1 x 5ft Power Cord
- 1 x 26ft Power Cable
- 1 x Bracket (pre-installed on camera)
- 1 x Self-adhesive adhesive pad
- 1 x Screw
- Tie straps



Figure 2.1: All components included in the YIMU K4302 Backup Camera System package.

3. Setup and Installation

The YIMU K4302 system is designed for quick and easy installation, typically taking around 10 minutes. There are two primary power options:

3.1. Quick Installation (Cigarette Lighter/USB Powered)

1. **Mount the Monitor:** Fix the LCD monitor on your vehicle's console or dashboard using the provided 3M adhesive pads.
2. **Install the Camera:** Mount the camera at the rear of your car. The license plate bracket is pre-installed, or you can use the small additional bracket for alternative mounting (e.g., front or side of the vehicle).
3. **Connect Components:** Connect the camera and monitor using the provided 4-pin video power cable.
4. **Power On:** Plug the car charger into your vehicle's cigarette lighter or a USB port (USB adapter not included). The system will power on instantly.

5. **Verify Display:** The LCD monitor will display the live video image once the pairing is completed.

3.2. Reverse Light Powered Installation (Optional)

For automatic activation when reversing, you can link the system to your vehicle's reversing lights:

1. Follow steps 1-3 from the Quick Installation.
2. Instead of plugging into the cigarette lighter, connect the power cable to your vehicle's reverse light wiring. Ensure proper polarity (red wire to positive, black wire to ground).
3. The system will automatically activate when the vehicle is shifted into reverse.



Figure 3.1: Visual guide for the quick installation process.



Figure 3.2: Flexible camera installation options for license plate mounting.



Figure 3.3: Wiring diagrams for optional power sources.

4. Operating Instructions

The YIMU K4302 system offers versatile features to customize your viewing experience:

4.1. Adjusting Parking Guide Lines

The system allows you to adjust the parking grid lines to suit your specific needs:

- **Enable/Disable:** You can turn the guide lines on or off completely.
- **Adjust Width:** Modify the width of the guide lines.
- **Move Position:** Shift the guide lines left, right, up, or down.

4.2. Image Settings

The monitor provides options to tweak image quality and orientation:

- **Brightness & Contrast:** Adjust these settings for optimal visibility in different lighting conditions.
- **Image Flip:** Flip the image horizontally or vertically if needed, depending on camera orientation.

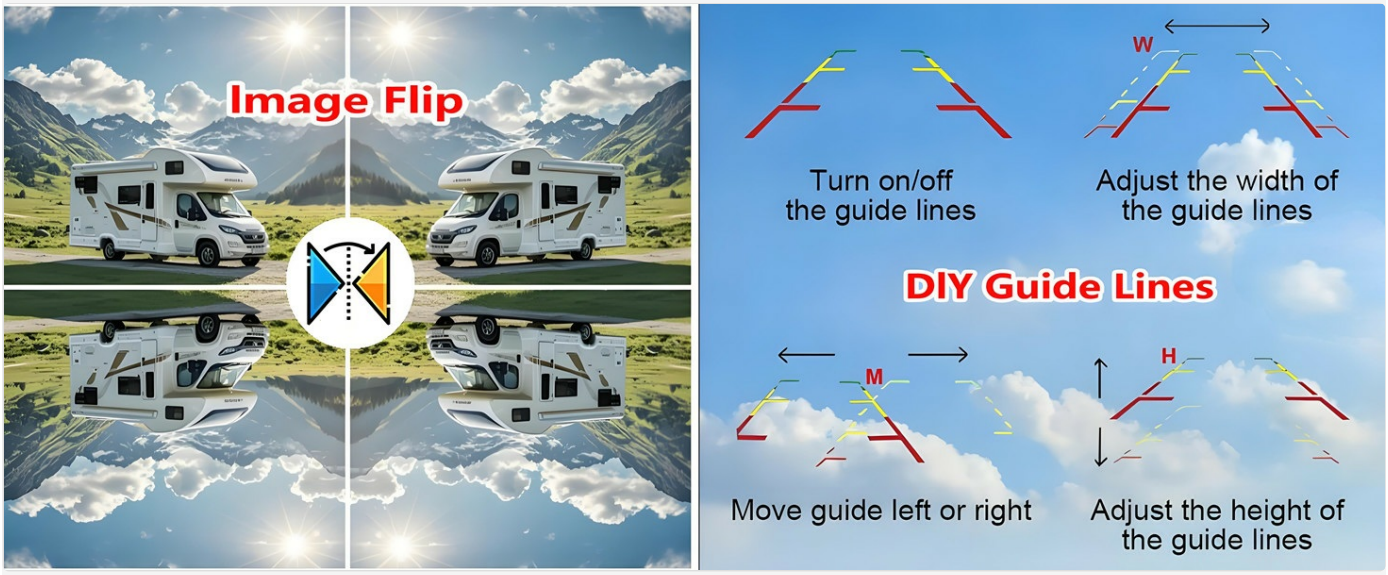


Figure 4.1: Customizing guide lines and image flip options.

5. Maintenance

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

- **Clean the Camera Lens:** Regularly wipe the camera lens with a soft, damp cloth to remove dirt, dust, or water spots that may obstruct the view. Avoid abrasive cleaners.
- **Clean the Monitor Screen:** Use a microfiber cloth to gently clean the monitor screen. Do not spray cleaning solutions directly onto the screen.
- **Check Connections:** Periodically inspect all cable connections to ensure they are secure and free from corrosion or damage.
- **Protect from Extreme Temperatures:** While the camera is designed for outdoor use, avoid prolonged exposure of the monitor to extreme heat or cold when the vehicle is parked, if possible.

6. Troubleshooting

If you encounter any issues with your YIMU Backup Camera System, please refer to the following common troubleshooting steps:

- **No Image on Monitor:**
  - Ensure all power connections are secure and the system is receiving power (check cigarette lighter connection or reverse light wiring).
  - Verify the 4-pin video power cable is firmly connected between the camera and monitor.
  - Check if the monitor is turned on.
- **Blurry or Distorted Image:**
  - Clean the camera lens.
  - Check for any kinks or damage in the video cable.
  - Ensure the camera is securely mounted and not vibrating.

- **Intermittent Signal:**
  - This is a wired system, so signal interference is minimal. Check all cable connections for looseness or damage.
  - Ensure the power source is stable.
- **Guide Lines Not Appearing/Adjusting:**
  - Refer to Section 4.1 for instructions on how to enable and adjust guide lines through the monitor settings.

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

7. Specifications

Feature	Detail
Model Number	K4302
Product Dimensions	7.7 x 4.6 x 3.02 inches
Item Weight	1.21 pounds
Display Technology	LCD
Screen Size	4.3 Inches
Color	Black
Real Angle of View	150 Degrees (as per product description, 170 in specs might be a typo or max theoretical)
Voltage	12 Volts (DC)
Installation Type	Surface Mount
Waterproof Rating	IP69K
Compatible Devices	Car Monitor

8. Warranty and Support

YIMU is dedicated to customer satisfaction. With every purchase of the YIMU Backup Camera System, you receive:

- **2-Year Warranty:** Covers manufacturing defects and ensures product reliability.
- **30-Day Money-Back Guarantee:** Allows for a full refund if you are not satisfied with your purchase within 30 days.
- **Lifetime Technical Support:** Access to expert assistance for any questions or issues you may encounter with your system.

For technical assistance or warranty claims, please reach out to YIMU customer support through the contact information provided with your product or on the official YIMU website.

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