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Yakry Y16

7-inch Backup Camera System

USER MANUAL

Brand: Yakry | Model: Y16

Introduction

Thank you for choosing the Yakry 7-inch Backup Camera System. This system is designed to provide enhanced rear view visibility for safer driving and parking. With its HD 1080P display, user-friendly touch keys, and durable waterproof camera, it offers a reliable solution for various vehicles including cars, trucks, SUVs, and vans. This manual will guide you through the installation, operation, and maintenance of your new backup camera system.

Package Contents

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

- 1 x 7 Inch Monitor
- 1 x Backup Camera
- 1 x Suction Cup Mount
- 3 x Power Cables
- 1 x Cigarette Lighter Adapter
- 1 x USB Power Cord
- 1 x Video Cable (23.5ft)
- 2 x T-tap Connectors
- 1 x Instruction Manual

PACKAGE CONTAINS



7 inch monitor



USB power cord



23.5ft Video cable



Power cord



License plate camera



Bracket



Car charger



T-tap*2



Instruction

Image: All components included in the Yakry 7-inch Backup Camera System package.

Setup and Installation

The Yakry backup camera system is designed for effortless installation, typically taking around 10 minutes. Follow these steps for proper setup:

1. Monitor Installation

The 7-inch monitor can be mounted on your dashboard or windshield using the provided suction cup mount.

1. Clean the desired mounting surface (dashboard or windshield) thoroughly.
2. Attach the suction cup mount to the monitor.
3. Press the suction cup firmly against the cleaned surface and engage the lever to secure it.
4. Adjust the monitor angle for optimal viewing.



Image: Examples of monitor placement on the dashboard and windshield.

2. Camera Installation

The license plate camera is designed for easy mounting at the rear of your vehicle.

1. Remove your vehicle's rear license plate.

2. Position the camera bracket behind the license plate, aligning the mounting holes.
3. Secure the license plate and camera bracket using your vehicle's existing license plate screws.
4. Ensure the camera lens is unobstructed and facing the desired rear view area.



Image: Step-by-step guide for installing the camera with the license plate.

3. Wiring Connection

Connect the camera and monitor using the provided cables. The system supports both USB power and 12V DC plug connections.

1. Connect the video cable from the camera to the monitor.
2. For power, choose one of the following options:
 - **Cigarette Lighter Adapter:** Plug the cigarette lighter adapter into your vehicle's 12V power outlet and connect it to the monitor's power input.
 - **USB Power:** Connect the USB power cord to a USB port in your vehicle and to the monitor's power input.
 - **Direct Wiring (Optional):** For continuous power or to trigger with reverse gear, connect the power cables to your vehicle's electrical system (e.g., reverse lights). Use the T-tap connectors for a secure splice. *Professional installation is recommended for direct wiring.*
3. Route cables neatly and securely to avoid interference with vehicle operation.

Easy Installation



On Dashboard



On Windshield



USB Cable
Powered



Car Charger
Powered



Image: Simplified wiring options for the backup camera system.

Operating Instructions

Once installed, the system is ready for use. The monitor will automatically display the camera feed when powered on.

1. Monitor Functions (Touch Keys)

The monitor features intuitive touch-sensitive keys for easy navigation and adjustments:

- **Brightness:** Adjust the screen's illumination.
- **Contrast:** Modify the difference between light and dark areas.
- **Saturation:** Control the intensity of colors.
- **Tint:** Adjust the color balance.
- **Guide Line:** Toggle and customize parking guidelines.
- **Rotate:** Change the image orientation.

- **Mirror:** Flip the image horizontally.
- **Language:** Select the display language.

Multi Function & Touch Keys

The setup interface is intuitive and parameters can be easily adjusted as needed.



Image: User-friendly touch key interface for monitor settings.

2. Adjustable Guidelines

The on-screen parking guidelines can be customized to match your vehicle's dimensions, aiding in precise parking and reversing.

- Access the 'Guide Line' setting via the touch keys.
- Adjust the width of the guide lines to reflect your vehicle's width.
- Move the guide lines up or down to align with your vehicle's rear bumper.
- Adjust the height of the guide lines to accurately represent distance.

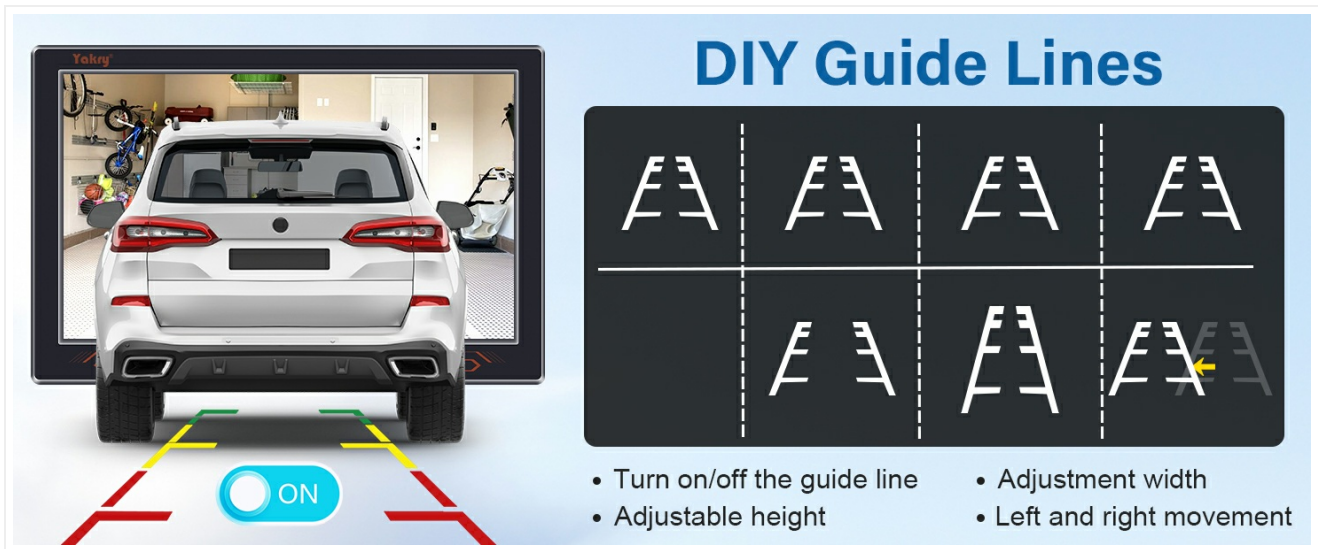


Image: Customization options for parking guide lines.

3. Image Flip Modes

The system offers four image flip modes to accommodate various mounting orientations and preferences:

- **Mirror Image:** Standard rear view (default).
- **Normal Image:** Non-mirrored view.
- **Vertical Positive Image:** Upside-down normal image.
- **Vertical Mirror Image:** Upside-down mirrored image.

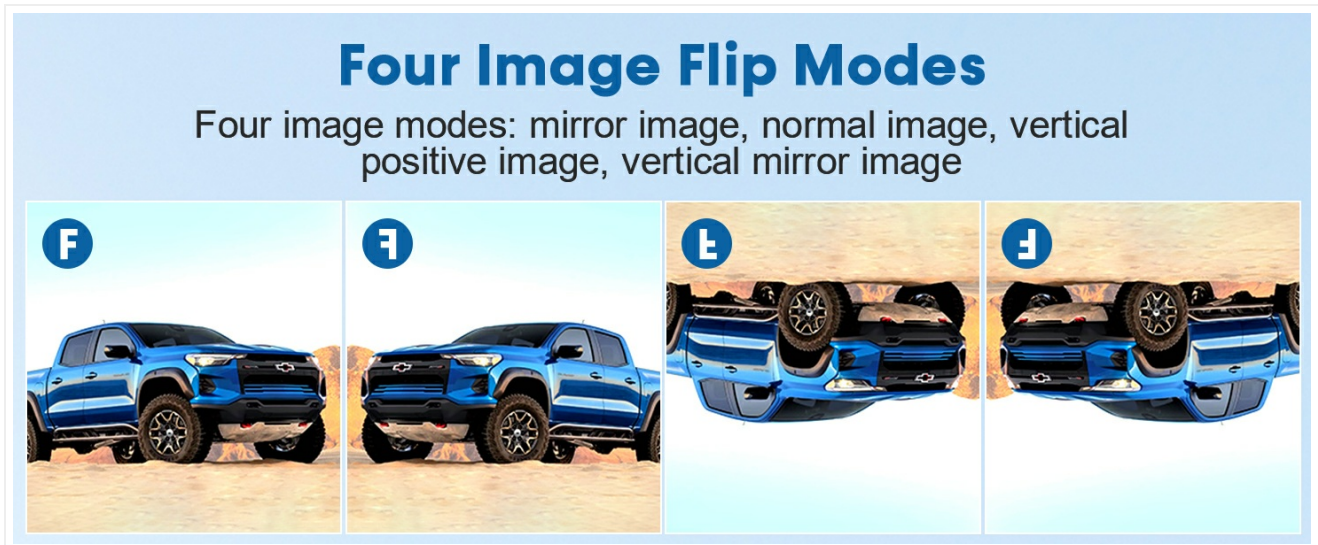


Image: Visual representation of the four available image flip modes.

4. Enhanced Night Vision

The camera features advanced night vision technology, providing clear visibility in low-light or nighttime conditions for increased safety.

HD 1080P & Great Night Vision

Backup camera with latest chip and sensor keep picture clear even when driving at night



Image: Comparison of daytime and night vision clarity.

Maintenance

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

- **Cleaning:** Regularly wipe the monitor screen and camera lens with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could scratch the surfaces.
- **Weather Resistance:** The camera is designed with IP69K waterproof rating, making it suitable for all weather conditions (rain, snow, heat, cold). However, avoid direct high-pressure water jets on the camera lens.
- **Cable Inspection:** Periodically check all cables and connections for any signs of wear, damage, or loose connections. Secure any loose wiring to prevent interference or disconnections.
- **Temperature:** The system is built to withstand extreme temperatures, from -22°F to 176°F.



IP69K Waterproof

Suitable for all kinds of bad weather



Image: The camera's IP69K waterproof and weather-resistant design.

Troubleshooting

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

- **No Image on Monitor:**

- Ensure the monitor is receiving power (check power cable connection and vehicle's power outlet/USB port).
- Verify that the video cable is securely connected between the camera and the monitor.
- If directly wired, check the fuse for the circuit.

- **Blurry or Distorted Image:**

- Clean the camera lens and monitor screen.
- Check for any obstructions in front of the camera lens.

- Ensure all cable connections are tight and free from damage.
- Adjust monitor settings (brightness, contrast, tint, saturation).
- **No Guidelines Displayed:**
 - Access the monitor's settings menu and ensure the 'Guide Line' option is enabled.
- **Image is Flipped/Upside Down:**
 - Adjust the 'Mirror' or 'Rotate' settings in the monitor's menu to correct the image orientation.
- **Intermittent Signal:**
 - Check all cable connections for looseness or damage.
 - Ensure the cables are not pinched or routed near strong electromagnetic interference sources.

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

Specifications

| Feature | Specification |
|---------------------------|--|
| Brand | Yakry |
| Model Number | Y16 |
| Screen Size | 7 Inches |
| Display Technology | LCD |
| Video Capture Resolution | 1080p |
| Optical Sensor Technology | CMOS |
| Voltage | 12 Volts |
| Installation Type | Surface Mount, Windshield Mount |
| Product Dimensions | 4 x 7 x 0.3 inches |
| Item Weight | 1.3 pounds |
| Color | Black |
| Manufacturer | Shenzhen xinkaihong technology co.,ltd |

Warranty and Support

Your Yakry 7-inch Backup Camera System is backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official Yakry website.

For technical support, troubleshooting assistance, or any inquiries regarding your product, please contact Yakry customer service through the contact information provided in your product packaging or on the official Yakry brand store page on Amazon.

Optional protection plans are available for purchase to extend coverage beyond the standard warranty period.

These plans offer additional peace of mind for your investment.