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Wkzay V29

Wkzay V29 Wireless Backup Camera System User Manual

Model: V29

1. INTRODUCTION

Thank you for choosing the Wkzay V29 Wireless Backup Camera System. This manual provides detailed instructions for the installation, operation, and maintenance of your new system. Designed for trucks, cars, SUVs, and fleet vehicles, this system enhances safety and convenience with its HD 1080P display, color night vision, and stable wireless signal. Please read this manual thoroughly before use to ensure proper functionality and longevity of the product.



Image: The Wkzay V29 Wireless Backup Camera System, featuring the 7-inch monitor and the rear camera designed for license plate mounting.

2. WHAT'S IN THE BOX

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

- 1 x 7-inch Monitor
- 1 x Suction Cup Mount
- 1 x Wireless Backup Camera
- 1 x Power Cord
- 1 x Antenna
- 1 x USB Cable
- 1 x Cigarette Lighter Adapter
- 1 x User Manual
- Other Accessories (e.g., wiring, connectors)

3. KEY FEATURES

- **Easy Installation:** Designed for quick setup, typically under 30 minutes, without requiring professional assistance.
- **Crystal-Clear HD 1080P Display:** A 7-inch high-definition monitor provides sharp, real-time visuals for precise maneuvering.
- **2 Channels Monitoring:** Supports dual camera input for comprehensive coverage and reduced blind spots (second camera not included).
- **Color Night Vision:** Equipped with 940nm infrared lights for clear and detailed visibility in low-light conditions without disturbing other drivers.
- **IP69 Waterproof Durability:** Constructed from robust ABS+PC materials, the camera is rated IP69 for resistance against rain, dust, and extreme temperatures.
- **DIY Parking Lines:** Customizable parking guidelines allow users to tailor the guides for various scenarios and vehicle setups.
- **Wide 150° Viewing Angle:** Minimizes blind spots by providing an expansive rear and side field of view.
- **Stable Wireless Signal:** Utilizes advanced 2.4G frequency hopping technology for reliable, lag-free connection over long distances.
- **360° Adjustable Suction Bracket:** Allows for optimal positioning of the monitor without drilling, preserving vehicle aesthetics.
- **Versatile Compatibility:** Suitable for a wide range of vehicles including trucks, cars, SUVs, and fleet vehicles, enhancing safety for towing, camping, and general driving.

4. SETUP AND INSTALLATION

The Wkzay V29 system is designed for straightforward installation. Follow these steps for a successful setup:

4.1 Camera Installation

1. **Mount the Camera:** The wireless backup camera is typically mounted near the license plate. Secure it using the provided screws or mounting hardware. Ensure the camera has a clear, unobstructed view of the rear.
2. **Connect Power to Camera:** Connect the camera's power cable to your vehicle's reverse lights. This allows the camera to activate automatically when the vehicle is put into reverse. For continuous monitoring, you may connect it to a constant 12V power source (professional installation recommended for this option).
3. **Route Cables:** Carefully route the camera's power cable to protect it from damage and ensure a neat installation.

Quick installation in 10 Minutes



1 Plug in



2 Connect to Lights



Image: Visual guide for quick installation, illustrating plugging in the monitor and connecting the camera to the vehicle's lights.

4.2 Monitor Installation

1. **Attach Suction Cup Mount:** Secure the suction cup mount to your windshield or dashboard. Ensure the surface is clean and dry for optimal adhesion.
2. **Mount the Monitor:** Attach the 7-inch monitor to the suction cup mount. The 360° adjustable bracket allows you to position the monitor for your preferred viewing angle without obstructing your driving view.
3. **Connect Power to Monitor:** Plug the monitor's power cord into your vehicle's cigarette lighter adapter or a suitable 12V power outlet.

7-inch HD Display

Ideal size for any dashboard or windshield

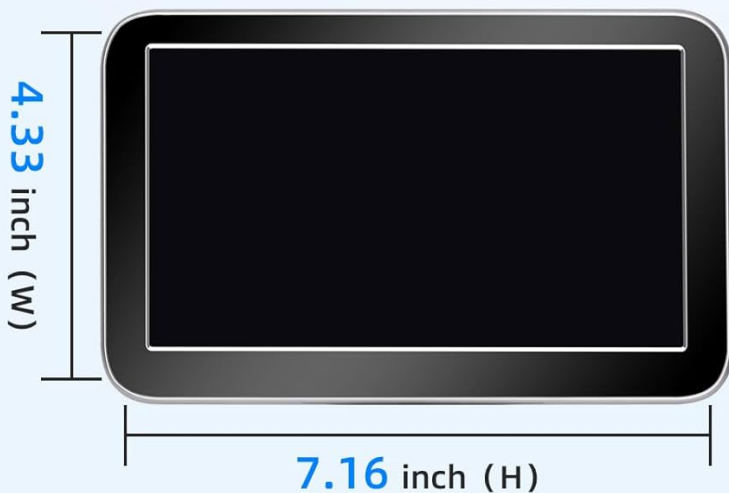
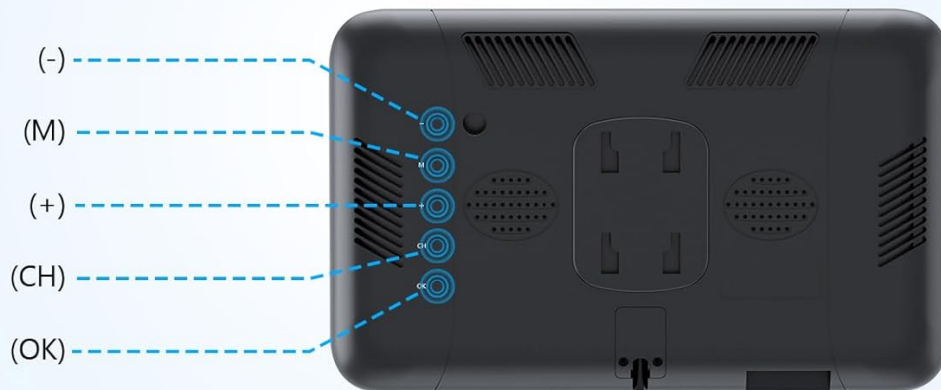


Image: Details on the 7-inch HD display's dimensions and the flexibility of the 360° adjustable suction bracket for optimal placement.

Once both the camera and monitor are powered, the system should automatically pair and display the camera feed. The advanced 2.4G frequency hopping technology ensures a stable wireless signal up to 28 feet.

Strong wireless signal



Car



Pickup



SUV



Vans



Small trailer

Image: Illustration of the strong wireless signal range, demonstrating compatibility with cars, pickups, SUVs, vans, and small trailers.

5. OPERATING INSTRUCTIONS

5.1 Display Modes and Clarity

The 7-inch HD 1080P monitor provides a clear view of your surroundings. The system supports multiple display modes:

- **CAM1 Screen:** Displays the primary camera feed.
- **CAM2 Screen:** Displays the secondary camera feed (if a second camera is connected).
- **Split Screen:** Shows both CAM1 and CAM2 feeds simultaneously for comprehensive monitoring.

7 inch split-screen

No blind spots



Image: The 7-inch monitor displaying a split-screen view, allowing simultaneous monitoring from two cameras to eliminate blind spots.

Multi-functional for multiple views

CAM1

CAM1 Screen

CAM2

CAM2 Screen

CAM1

CAM2

Split Screen



BRIGHTNESS



CONTRAST



HUE



SATURATION



Image: Overview of multi-functional display options (CAM1, CAM2, Split Screen) and adjustable settings like brightness, contrast, hue, and saturation.

5.2 Night Vision

The camera features advanced color night vision with 940nm infrared lights. This ensures clear visibility even in low-light conditions or at night, providing detailed images without causing glare for other drivers.

Clear and sharp image quality

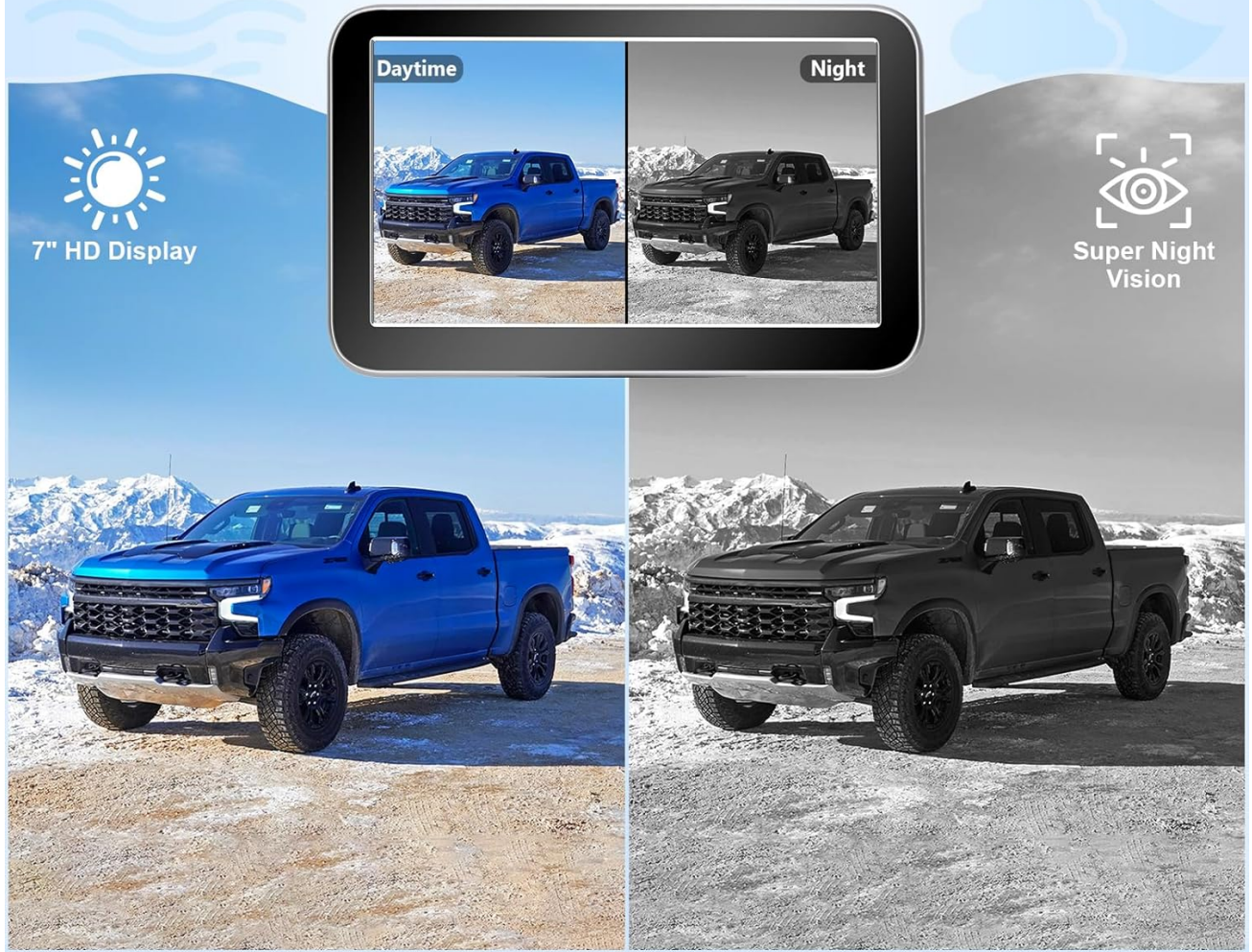


Image: A split image demonstrating the clear and sharp image quality during the daytime and the effective super night vision capability.

5.3 DIY Parking Lines

Customize your reversing experience with adjustable parking lines. You can turn them on/off, adjust their width, and move them up or down to suit your vehicle and parking preferences. Refer to the monitor's menu for these settings.

DIY settings

find the right one for you

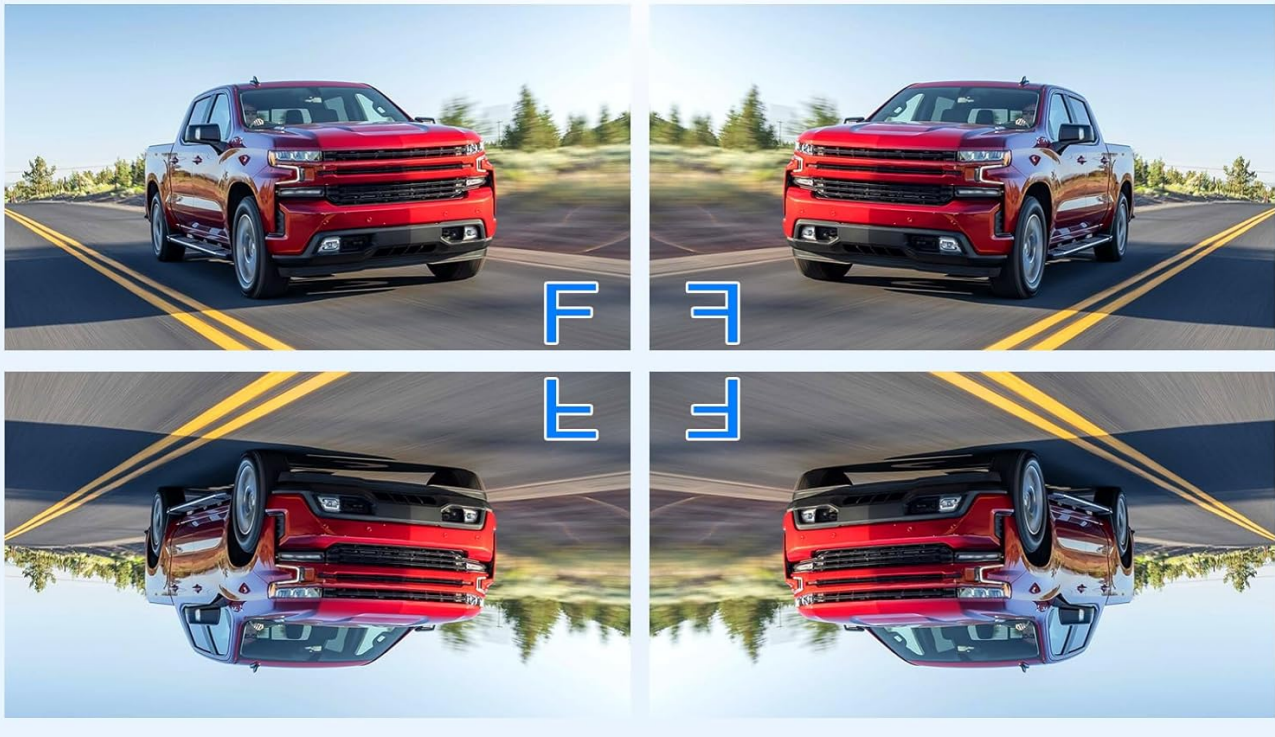
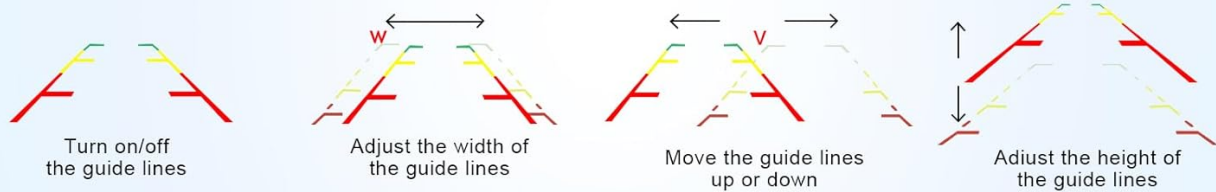


Image: Diagram illustrating DIY settings for parking lines, showing options to turn them on/off, adjust width, and move them vertically.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Wkzay V29 system, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the camera lens and monitor screen with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the surfaces.
- **Weather Resistance:** The camera is IP69 waterproof, designed to withstand harsh weather conditions. However, avoid directing high-pressure water jets directly at the camera for extended periods.
- **Cable Inspection:** Periodically check all cables and connections for any signs of wear, fraying, or corrosion. Ensure connections remain secure.
- **Storage:** If storing the vehicle for an extended period, consider disconnecting the monitor to prevent battery drain.

IP69-rated camera

defies extreme weather



Image: The IP69-rated camera demonstrating its durability against various extreme weather conditions, including rain, snow, high temperatures, and frost.

7. TROUBLESHOOTING

If you encounter issues with your Wkzay V29 system, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Signal on Monitor	<ul style="list-style-type: none">◦ Camera not powered.◦ Monitor not powered.◦ Wireless interference.◦ Camera and monitor not paired.	<ul style="list-style-type: none">◦ Check camera power connection (e.g., reverse lights).◦ Ensure monitor is plugged into a working 12V outlet.◦ Move monitor closer to camera if possible, or check for large metal obstructions.◦ Refer to pairing instructions in the full user manual (if applicable, typically automatic).

Problem	Possible Cause	Solution
Flickering or Unstable Image	<ul style="list-style-type: none"> Weak wireless signal. Power fluctuations. 	<ul style="list-style-type: none"> Ensure antenna is securely attached to the monitor. Check power connections for stability. Minimize other 2.4Ghz wireless devices nearby if possible.
Image is Upside Down or Mirrored	<ul style="list-style-type: none"> Incorrect display settings. 	<ul style="list-style-type: none"> Access the monitor's menu settings to adjust image flip/mirror options.

8. SPECIFICATIONS

Feature	Detail
Model Number	V29
Screen Size	7 Inches
Display Resolution	HD 1080P
Camera Waterproof Rating	IP69
Viewing Angle	150 Degrees
Wireless Technology	2.4G Frequency Hopping
Voltage	12 Volts (DC)
Product Dimensions	4.9"L x 3.9"W x 8.2"H
Item Weight	1.32 pounds
Color	Black

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your Wkzay V29 Wireless Backup Camera System, please refer to the contact details provided on the product packaging or visit the official Wkzay website. Keep your purchase receipt as proof of purchase for warranty claims.