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Fookoo DY901

Fookoo DY901-Wired HD Backup Camera System Kit User Manual

Model: DY901-Wired

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Fookoo DY901-Wired HD Backup Camera System Kit. This wired system is designed to offer a stable and reliable high-definition view for various large vehicles, including trucks, semi-trailers, box trucks, and RVs, ensuring no signal delay or interference.



Figure 1.1: Fookoo DY901-Wired HD Backup Camera System Kit components.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 9-inch HD Monitor
- IP69 Waterproof Rear View Camera
- Video Cable (4-pin extension cable)
- Power Cord
- Monitor Mounting Brackets (Fan-shaped and Fixed)
- Installation Kit (screws, allen wrench, screwdriver)
- Instruction Manual
- Remote Control

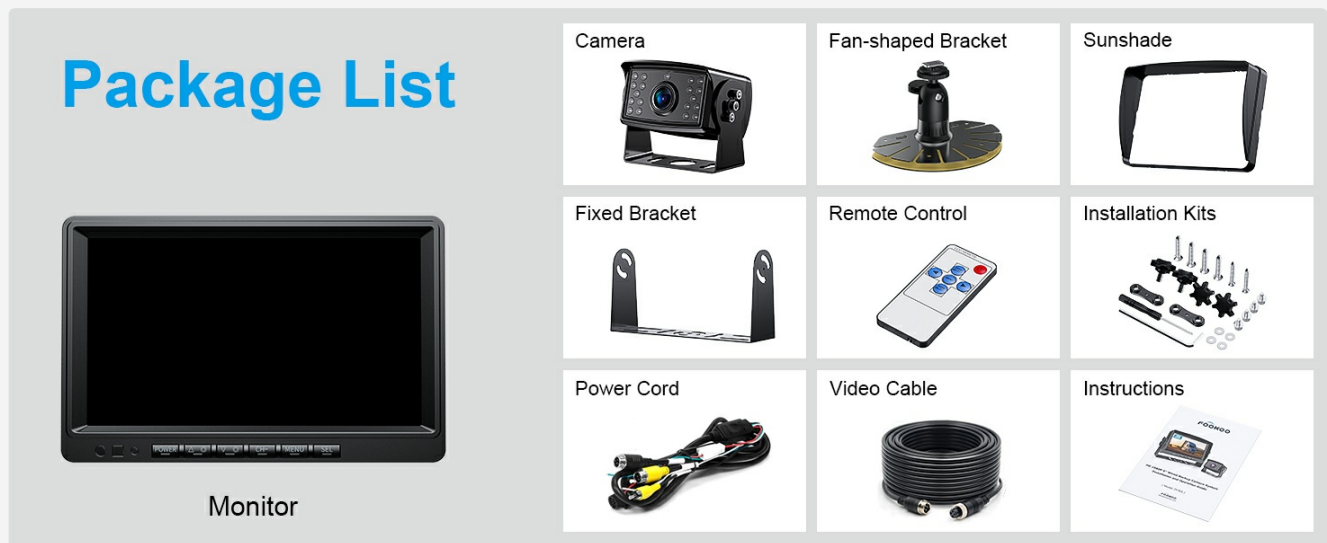


Figure 2.1: Included components in the Fookoo DY901-Wired Kit.

3. SETUP & INSTALLATION

Proper installation is crucial for optimal performance. It is recommended to test the system before permanent installation.

3.1 Wiring Diagram

Follow the wiring diagram carefully to ensure correct connections. The system operates on 9-36V DC power.

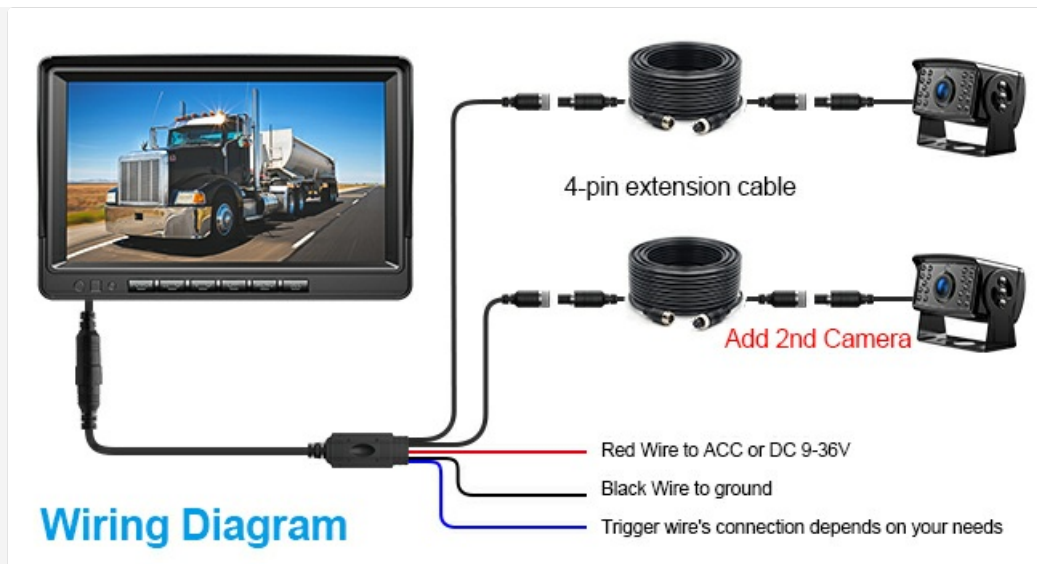


Figure 3.1: System Wiring Diagram.

- **Red Wire:** Connect to an ACC (Accessory) power source or a constant 9-36V DC power supply.
- **Black Wire:** Connect to a reliable ground point.
- **Trigger Wire:** This wire activates the parking lines and switches to the camera view automatically when connected to the reverse light circuit. Its connection depends on your specific needs.
- **4-pin Extension Cable:** Connects the monitor to the camera. Ensure connections are secure.

3.2 Monitor Installation

The monitor can be mounted using either the fan-shaped or fixed bracket. Choose a location that provides a clear view for the driver without obstructing visibility of the road or other vehicle controls.

- Secure the chosen bracket to a flat, stable surface using the provided screws.
- Attach the monitor to the bracket, adjusting the angle for optimal viewing.

3.3 Camera Installation

The camera is IP69 waterproof and designed for outdoor use. Mount it in a position that provides the desired rear view, typically above the license plate or at the rear of the vehicle.

- Ensure the camera has a clear line of sight and is not obstructed.
- Secure the camera using the provided mounting hardware.
- Route the camera cable to the monitor, ensuring it is protected from sharp edges, heat, and moving parts.

3.4 Trailer Connection

For vehicles with trailers, the system allows for easy connection and disconnection of the camera. An additional cable may be required for extended lengths.



Figure 3.2: Easy connection/disconnection for trailer applications.

4. OPERATING INSTRUCTIONS

4.1 Monitor Functions

The 9-inch 1080P monitor provides a clear, detailed view of the area behind your vehicle. Use the buttons on the monitor or the remote control to navigate settings.



Figure 4.1: Monitor Display Modes.

- **Power:** Turns the monitor on/off.
- **CH (Channel):** Switches between camera inputs if multiple cameras are connected.
- **Menu:** Accesses monitor settings such as brightness, contrast, color, and image orientation (Normal, Mirror, Flip, Mir-Flip).
- **SEL (Select):** Confirms selections within the menu.
- **Up/Down Arrows:** Navigate menu options or adjust values.

4.2 Camera Features

The camera features a 2-million-pixel Sharp CCD chip, providing high-quality images. It is designed to perform well in low-light conditions without relying on infrared lights, which prevents flickering between night and day modes.

4.3 Parking Lines Assistance

When the trigger wire is connected to the reverse light, the monitor will automatically display parking lines, assisting with safer and more accurate parking maneuvers.

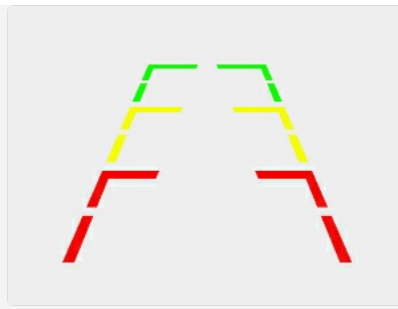


Figure 4.2: Parking Lines Display.



Figure 4.3: Backing up with parking lines for enhanced safety.

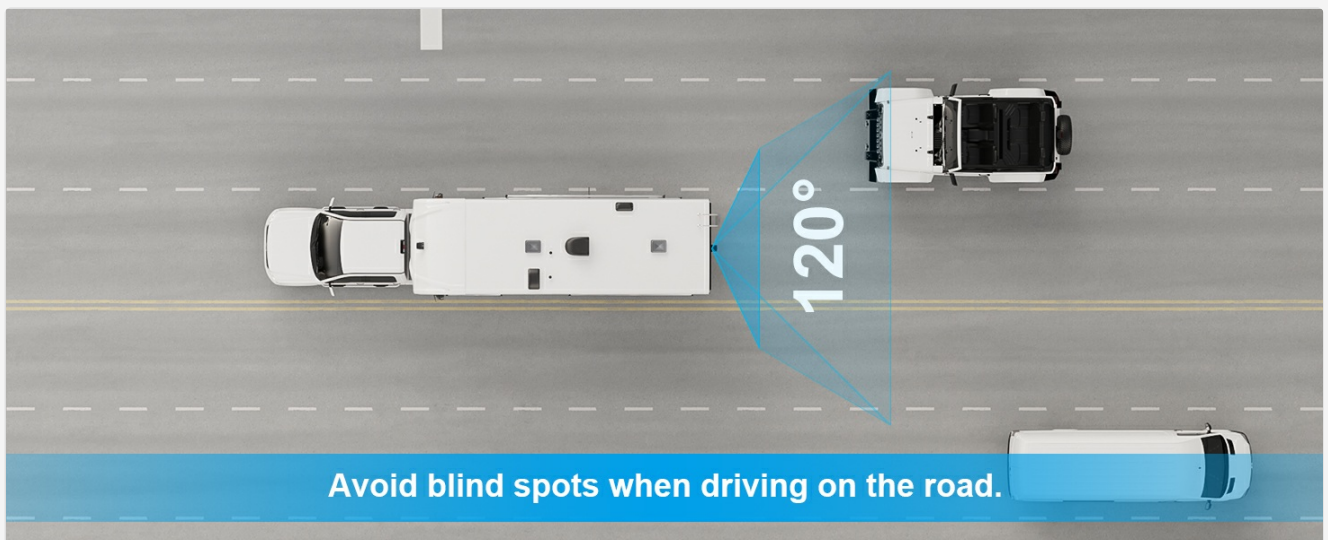


Figure 4.4: Wide-angle view helps eliminate blind spots.

5. MAINTENANCE

- **Cleaning:** Regularly clean the monitor screen and camera lens with a soft, damp cloth. Avoid abrasive cleaners.
- **Cable Inspection:** Periodically check all cables for signs of wear, damage, or loose connections. Secure any loose cables to prevent interference or damage.
- **Mounting Hardware:** Ensure all mounting brackets and screws remain tight and secure.

6. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on monitor	Power cable disconnected; Camera cable loose; Faulty camera/monitor.	Check power and camera connections; Ensure power source is active; Contact support if problem persists.
Image flickering or distorted	Loose cable connection; Power fluctuation; Electromagnetic interference.	Secure all cable connections; Ensure stable power supply; Reroute cables away from interference sources.
Parking lines not appearing	Trigger wire not connected or faulty; Parking line setting disabled.	Verify trigger wire connection to reverse light; Check monitor settings to enable parking lines.
Camera image is dark at night	Insufficient ambient light; Camera lens dirty.	Ensure some ambient light is available (e.g., reverse lights); Clean camera lens.

7. SPECIFICATIONS

Feature	Detail
Model Number	DY901 (Internal Model: KG)
Screen Size	9 Inches
Display Resolution	1920x1080 pixels (1080P HD)
Camera Sensor	Sharp CCD Chip (2 Million Pixel)
Camera Waterproof Rating	IP69
Voltage Range	9-36V DC
Optical Sensor Technology	CCD
Lens Type	Wide Angle
Real Angle of View	170 Degrees
Connection Type	Wired
Monitor Dimensions	9.13"L x 1.1"W x 5.94"H (approx.)
Camera Dimensions	3.35"L x 2.2"W x 2.0"H (approx.)
Operating Temperature	-4°F to 198°F (approx.)



Figure 7.1: Monitor Dimensions.



Figure 7.2: Camera Specifications.

8. WARRANTY & SUPPORT

Fookoo provides a **24-month replacement support** and **lifetime after-sales service** for this product. If you encounter any defective components, issues, or require additional cables, please contact Fookoo customer support. Our team is available online 24 hours to assist you. For support, please visit the official Fookoo store or contact us through the platform where you purchased the product.

9. SAFETY INFORMATION

- Always ensure the system is installed securely and does not obstruct the driver's view or interfere with vehicle operation.
- Do not attempt to disassemble or modify the product. This may void the warranty and cause damage.
- While the backup camera system enhances visibility, it should not replace careful driving and proper use of mirrors. Always check your surroundings before maneuvering your vehicle.
- Ensure all wiring is properly insulated and protected from environmental elements and vehicle movement.

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Fookoo HD Wired 10" Backup Camera System
(DY101)
Installation and Operation Guide

[Fookoo DY101 HD Wired 10-inch Backup Camera System: Installation and Operation Guide](#)

This guide provides detailed instructions for installing and operating the Fookoo DY101 HD Wired 10-inch Backup Camera System. Learn about system components, setup procedures, feature usage, and troubleshooting tips for enhanced vehicle safety.