Fookoo DY704

Fookoo HD 1080P 7-inch Wired Backup Camera System (Model DY704) User Manual

Model: DY704

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Fookoo HD 1080P 7-inch Wired Backup Camera System. This system is designed to enhance driving safety by providing clear, real-time video feeds from multiple cameras, reducing blind spots for large vehicles such as trucks, trailers, RVs, and tractors. It features a 7-inch quad split-screen monitor, 1080P HD cameras with IP69 waterproofing, loop recording capabilities, and adjustable parking lines.



The Fookoo 7-inch HD 1080P Monitor provides a clear view of the road, enhancing safety during driving and reversing.

Package Contents

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

- 7-inch HD Monitor
- Rear View Cameras (Quantity as per system variant, e.g., 4 for 4-Cam system)
- Video Cables (Quantity as per camera count)

- Power Cord
- Installation Kits (Screws, tools)
- Remote Control
- Sunshade for Monitor
- Fixed Bracket
- Suction Cup Mount



Visual representation of the Fookoo backup camera system's package contents.

Installation Guide

This is a wired system designed for stable signal transmission. Follow these steps for proper installation:

1. **Test the System:** Before permanent installation, connect all components temporarily to ensure they function correctly.
2. **Mount the Monitor:** Choose a suitable location in your vehicle's cabin for the 7-inch monitor. Use either the fixed bracket or the suction cup mount to secure it.
3. **Mount the Cameras:** Install the cameras in desired locations (rear, sides, front). Ensure they have a clear line of sight and are securely fastened. The cameras are IP69 waterproof and designed for outdoor use.
4. **Wiring the Power:**
    - Connect the **Red wire** to ACC (Accessory power).
    - Connect the **Yellow wire** to the positive terminal of the battery.
    - Connect the **Black wire** to a metal ground point on the vehicle chassis.
5. **Connecting Cameras:** Connect the 4-pin extension cables from each camera to the corresponding inputs on the monitor. Ensure the notches in the connectors are aligned to prevent damage to the pins.
6. **Trigger Wires (Optional):** The monitor has trigger wires (Brown for CH1, Green for CH2, Blue for CH3, Grey for CH4). These can be connected to specific vehicle signals (e.g., reverse light, turn signals) to automatically switch camera views.
7. **Cable Management:** Route all cables neatly and securely throughout your vehicle, avoiding moving parts or heat sources.



Detailed wiring diagram for the Fookoo backup camera system.

Quick Connection/Disconnection for Trailers

If using with a trailer, you can run extra cables to allow for easy disconnection when the trailer is not in use. This avoids the need for rewiring each time.

Operating Instructions

Monitor Controls

The monitor features several buttons for control:

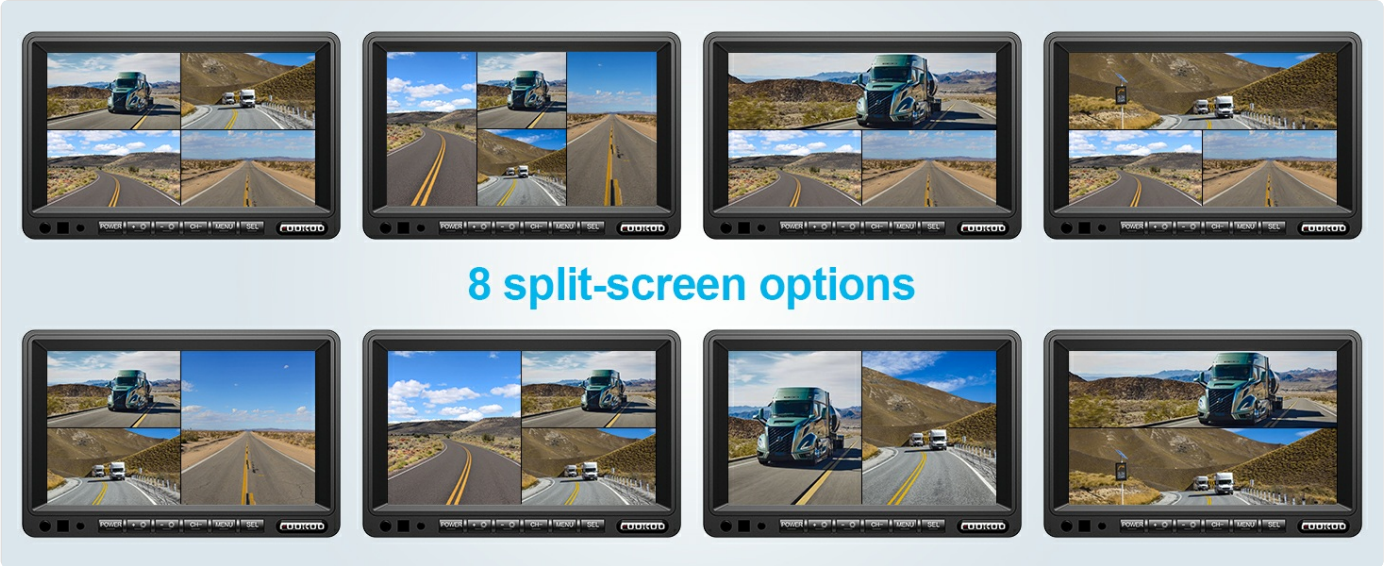
- **POWER:** Turns the monitor on/off.
- **CH (Channel):** Cycles through camera views or split-screen modes.
- **MENU:** Accesses the monitor's settings menu.
- **SEL (Select):** Confirms selections within the menu.

Split Screen Modes

The monitor supports various display modes to suit your needs:

- **Full Screen:** Displays a single camera view.
- **Dual Split Screen:** Shows two camera views simultaneously.
- **Triple Split Screen:** Displays three camera views.
- **Quad Split Screen:** Shows all four camera views at once.

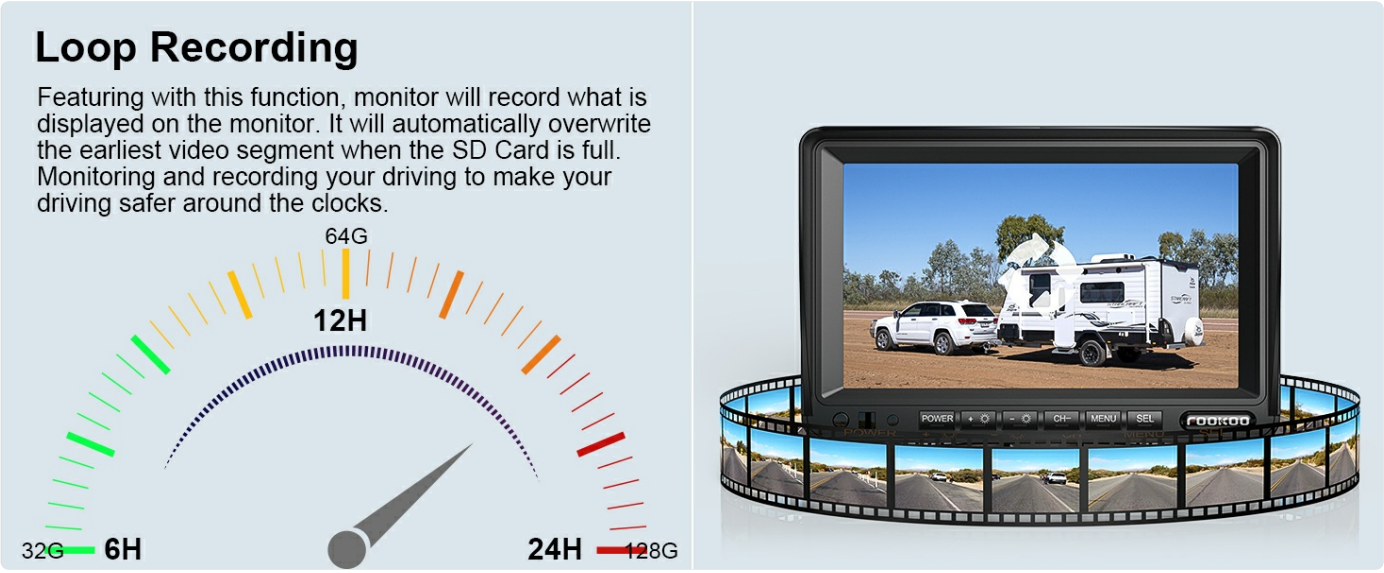
Use the CH button to cycle through these modes. The remote control can also be used for easier navigation.



Examples of the various split-screen configurations available on the monitor.

Loop Recording (DVR Function)

The system includes a built-in DVR function that records video footage to an SD card (up to 128GB supported). When the SD card is full, the system automatically overwrites the oldest video segments, ensuring continuous recording. This feature provides valuable video evidence in case of incidents.



The monitor's recording function provides continuous video proof.

Parking Lines

Adjustable parking lines are displayed on the monitor to assist with parking and reversing maneuvers. These lines provide a visual guide for distance and trajectory, making it easier to navigate tight spaces.



Parking lines assist in safe and accurate reversing.

Image Flip

The system allows for image flipping (horizontal/vertical) to correct the orientation of the camera view, ensuring the image displayed on the monitor matches your perspective.

Camera Features

High-Quality and Durable Cameras

The cameras are equipped with CCD sensors for clear color images and feature an IP69 waterproof rating, making them resistant to dust and high-pressure water jets. They are designed to operate reliably in extreme temperatures, from -4°F to 198°F, ensuring performance in various weather conditions.



Fookoo cameras are built for durability and performance in harsh environments.

Enhanced Night Vision

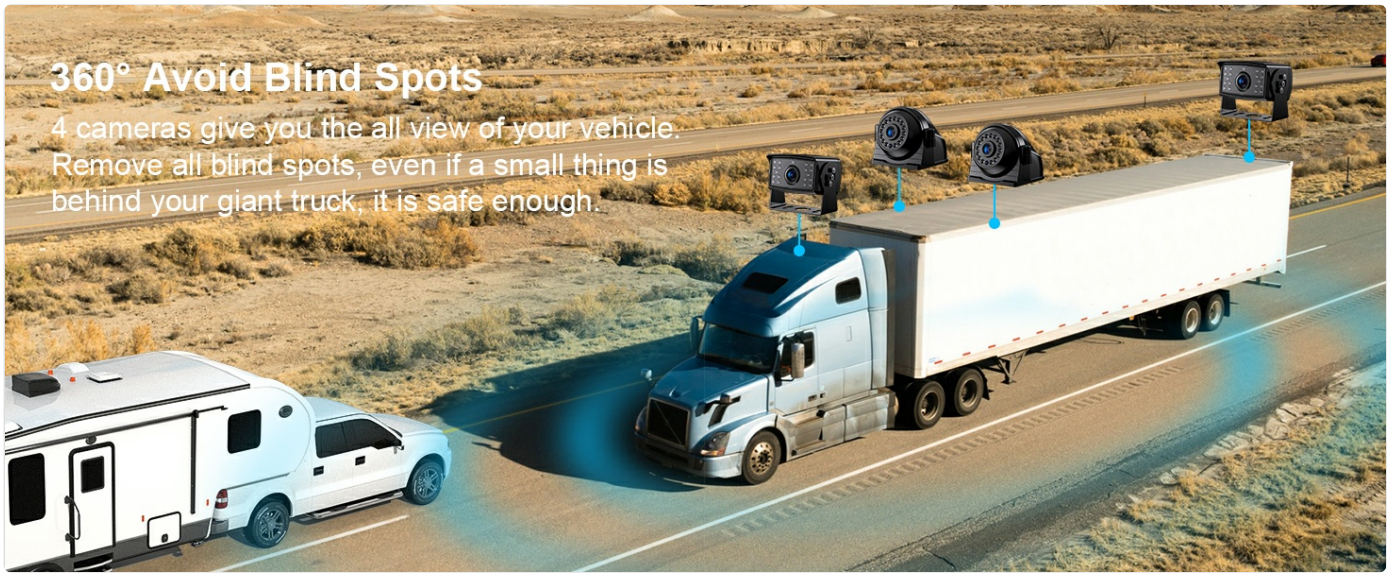
Fookoo cameras feature upgraded technology to provide clear, colored images even in low-light conditions. Unlike older IR systems that might flash, these cameras offer consistent visibility at night with minimal ambient light.



Comparison of day and night vision capabilities of the Fookoo camera.

Wide Angle and Adjustable Views

Each camera offers a 120-degree wide-angle view, minimizing blind spots. The cameras are also adjustable, allowing for optimal positioning to cover critical areas around your vehicle.



Multiple cameras provide comprehensive coverage to eliminate blind spots.

Maintenance

To ensure the longevity and optimal performance of your Fookoo backup camera system, follow these maintenance guidelines:

- **Regular Cleaning:** Periodically clean the camera lenses and monitor screen with a soft, damp cloth. Avoid abrasive cleaners that could scratch surfaces.
- **Check Connections:** Regularly inspect all wiring connections for tightness and signs of wear or corrosion. Secure any loose connections.
- **Cable Integrity:** Ensure all cables are properly secured and not exposed to excessive friction, heat, or sharp edges that could cause damage.
- **Software Updates:** Check the Fookoo website or contact customer support for any available firmware updates for your monitor.

Troubleshooting

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

- **No Image on Monitor:**
  - Check all power connections (Red to ACC, Yellow to battery positive, Black to ground) to ensure they are secure and receiving power.
  - Verify that camera cables are correctly connected to the monitor and that the 4-pin connectors are aligned.
  - Ensure the monitor is powered on.
- **Flickering or Unstable Image:**
  - Inspect video cables for damage or loose connections.
  - Ensure adequate power supply. If using long power/accessory wires, consider using a thicker gauge wire (e.g., 16 gauge instead of 20 gauge) to prevent voltage drop, especially when the engine is running.
  - As a wired system, signal stability is generally high. If issues persist, check for electromagnetic interference from other vehicle electronics.



Wired systems offer superior signal stability compared to wireless alternatives.

- **Turn Signal Triggers Not Working or Delayed:**
  - The monitor may not have a built-in delay mechanism for flashing turn signal triggers. This can cause the camera view to not switch properly.
  - **Advanced Solution:** Consider installing a time delay relay or a voltage stabilizing circuit for the trigger wires. A simple circuit can be constructed using a diode, a 320 ohm resistor, a 10 µF capacitor, and a 100 k ohm resistor. The diode is crucial to prevent turn signals from staying on steadily. This circuit stabilizes the voltage at the trigger input, allowing the monitor to respond correctly to flashing signals.
- **Recording Issues:**
  - Ensure an SD card (up to 128GB) is properly inserted into the monitor.
  - Format the SD card through the monitor's menu settings.
  - If recording stops, the SD card might be full (though loop recording should prevent this) or corrupted. Try a new SD card.

Specifications

Feature	Specification
Monitor Screen Size	7 Inches
Display Technology	LCD
Camera Resolution	1080P HD
Camera Sensor Type	CCD
Camera Waterproof Rating	IP69
Operating Voltage	9-36V DC
Lens Type	Wide Angle
Real Angle of View	140 Degrees
Recording Function	Loop Recording (Max 128GB SD Card)
Installation Type	Surface Mount, Roof Mount
Product Dimensions	10 x 7 x 2 inches
Item Weight	8.97 pounds

Warranty and Support

Fookoo stands behind the quality of its products. Your Fookoo HD 1080P 7-inch Wired Backup Camera System comes with:

- **24 Months Replacement Support:** In case of any defects or missing components, Fookoo offers a 24-month replacement policy.
- **Lifetime After-Sales Service:** Fookoo provides lifetime technical support and assistance for your product.

For any questions, concerns, or support needs, please contact Fookoo customer service. They are available 24 hours to assist you.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question