MekedeTech DUDUAUTO 360° Panoramic Camera

MekedeTech DUDUAUTO 360° Panoramic Camera System User Manual

Model: DUDUAUTO 360° Panoramic Camera

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MekedeTech DUDUAUTO 360° Panoramic Camera System. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Package Contents

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

- Four (4) DUDU-360° Panoramic Cameras (Front, Rear, Left, Right)
- Wiring Harnesses and Cables
- Mounting Accessories (screws, rubber rings, brackets)

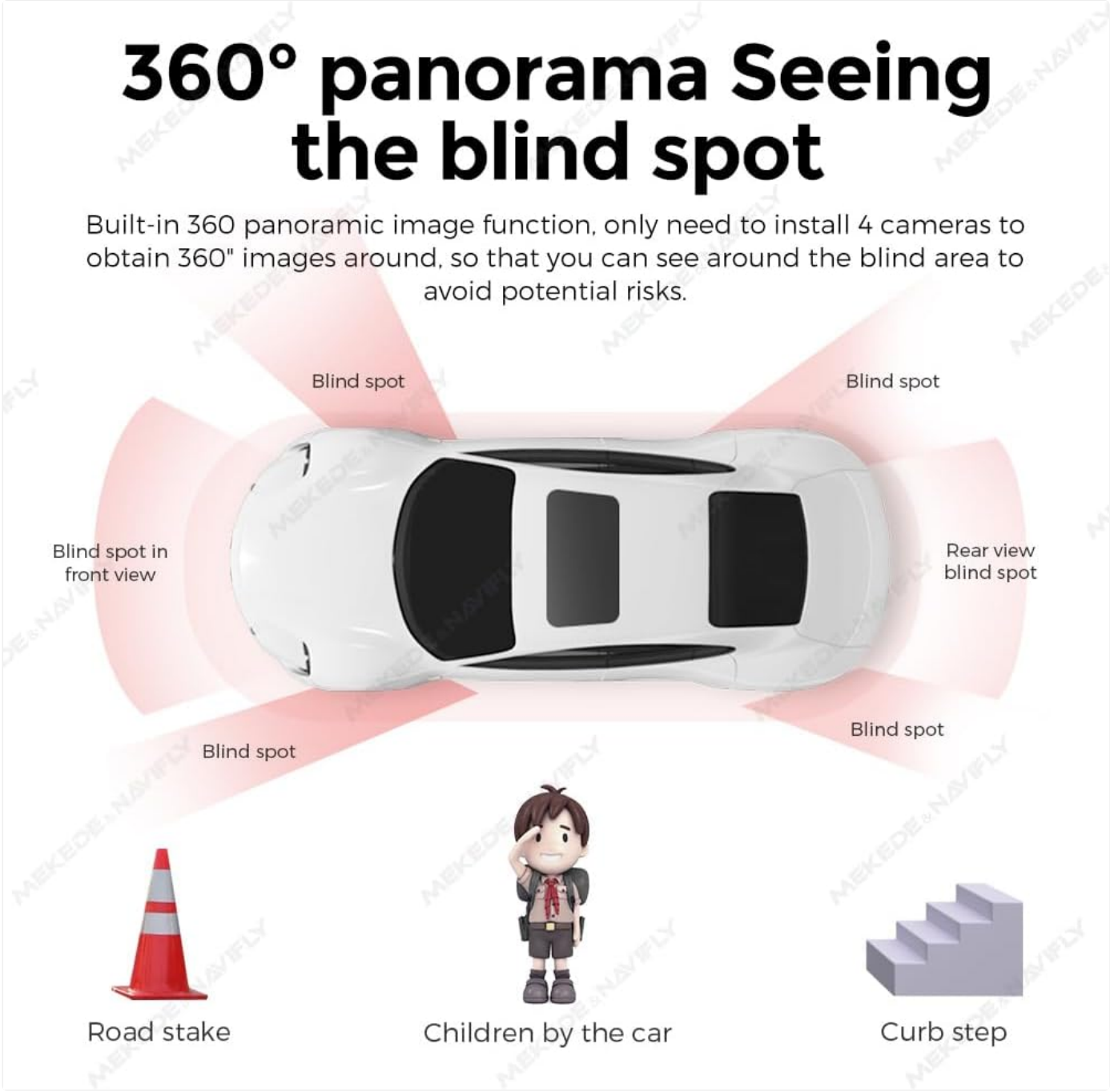


Figure 2.1: Package Contents. This image displays all components included in the DUDUAUTO 360° Panoramic Camera System, including four cameras, various wiring harnesses, and mounting hardware.

3. Setup and Installation

Proper installation is crucial for optimal performance. It is recommended that installation be performed by a qualified professional.

3.1 Compatibility Requirements

This 360° panoramic camera system is designed to work exclusively with DUDUAUTO head units that have a built-in 360 APP and a 12-pin socket on the back. Compatibility with other head units is not guaranteed.



Figure 3.1: Head Unit Compatibility. This image illustrates the DUDUAUTO head unit with its 360 APP interface and the required 12-pin socket for camera system connection.

3.2 Camera Placement

The system includes four cameras for comprehensive coverage: front, rear, left, and right. Install each camera in its designated position to capture a full 360° panoramic view around the vehicle.



Figure 3.2: Camera Placement. This diagram shows the recommended installation locations for the four cameras (front, rear, left, right) on a vehicle to achieve a complete 360° panoramic view, highlighting blind spots that the system helps eliminate.

3.3 Wiring Connection Method

Refer to the following video for detailed instructions on connecting the power wires for the monitoring system. Ensure proper polarity and secure connections.

Your browser does not support the video tag.

Video 3.1: Trigger Line Connection Method. This video demonstrates how to correctly connect the power wires (red, black, yellow) for the monitoring system, including identifying constant power and ACC (ignition) wires using a test light. It also shows how to secure connections within the vehicle's fuse box.

Note: Vehicle wiring modules vary. Always consult your specific vehicle's wiring diagram for accurate connection points. The video provides general guidance.

4. Operating Instructions

4.1 Panoramic View Functionality

The system provides a seamless 360° panoramic view, eliminating blind spots around your vehicle. This view is displayed on your compatible DUDUAUTO head unit.

Your browser does not support the video tag.

Video 4.1: 360 Bird View System Operation. This video demonstrates the real-time 360-degree bird's eye view provided by the camera system on a car's display, showing how it helps in maneuvering and parking by providing a comprehensive view of the vehicle's surroundings.

4.2 Driving and Parking Assistance

Utilize the multi-angle coverage from the front, rear, left, and right cameras to navigate tight spaces and park with increased confidence. The system aids in identifying obstacles and blind spots.

Your browser does not support the video tag.

Video 4.2: 360 Bird View System Working View. This video showcases the system's functionality during driving and parking, displaying various camera views (front, rear, side) and how they combine to offer a complete situational awareness, particularly useful for avoiding obstacles and navigating complex environments.

4.3 Recorder Function

The panoramic front, rear, left, and right cameras can record simultaneously, providing 360-degree recording without blind spots. This feature allows for comprehensive evidence capture if needed. Recorded data is stored on an external USB flash drive (not included).



Figure 4.1: Recorder Function. This image illustrates the 360-degree recording capability, showing simultaneous views from the front, rear, left, and right cameras, providing a complete record of the vehicle's surroundings.

5. Maintenance

5.1 Cleaning the Cameras

Regularly clean the camera lenses with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners or materials that could scratch the lens.

5.2 Waterproofing

The cameras are designed with IP68 waterproofing, ensuring durability against water exposure. However, avoid high-pressure water jets directly on the camera lenses during cleaning.



Figure 5.1: IP68 Waterproofing. This image shows the four individual cameras, highlighting their compact design and robust construction, which includes IP68 waterproofing for reliable performance in various weather conditions.

6. Troubleshooting

Problem	Possible Cause	Solution
No image displayed on head unit.	Incorrect wiring, incompatible head unit, power issue.	Verify all wiring connections (refer to Section 3.3). Ensure your head unit is a compatible DUDUAUTO model with the 360 APP and 12-pin socket. Check power supply to the system.
Distorted or unclear image.	Dirty lens, loose connection, camera malfunction.	Clean camera lenses (refer to Section 5.1). Check video cable connections. If problem persists, contact support.
Recorder function not working.	No USB flash drive, incompatible USB drive, system setting.	Ensure a compatible USB flash drive is inserted. Check the system settings on your DUDUAUTO head unit to activate the recording function.

7. Specifications

Product Dimensions: 2 x 2 x 2 inches

Item Weight: 1 pounds

Video Quality: 1080P AHD

Optical Sensor Technology: CMOS

Lens Type: Fisheye

Real Angle of View: 90 Degrees

Connector Type: RCA

Voltage: 5 Volts

Installation Type: Surface Mount

Color: Black

Waterproof Rating: IP68

Manufacturer: Shenzhen Mekede Technology Co.,Ltd

8. Warranty Information

For information regarding product warranty, please refer to the warranty card included in your product packaging or contact MekedeTech customer support directly. Protection plans are available for purchase separately.

9. Customer Support

If you encounter any issues or have questions not covered in this manual, please contact MekedeTech customer support for assistance. Visit the MekedeTech Store for more information and contact details.

© 2024 MekedeTech. All rights reserved.

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