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> [JIMIMAX JC171 DMS Camera User Manual for JC261 Dashcam](#)

JIMIMAX JC171

JIMIMAX JC171 DMS Camera User Manual

Model: JC171 | Brand: JIMIMAX

For use with JC261 Dashcam

1. INTRODUCTION

The JIMIMAX JC171 Driver Monitoring System (DMS) Camera is an accessory designed to enhance safety when paired with the JIMIMAX JC261 Dashcam. This camera utilizes advanced AI algorithms to monitor driver behavior, detecting signs of fatigue and distraction to promote safer driving practices.

This manual provides essential information for the proper installation, operation, and maintenance of your JC171 DMS Camera. Please read it thoroughly before use.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- JIMIMAX JC171 DMS Camera
- Mounting Bracket (pre-attached or separate)
- Double-sided Adhesive Tape
- Quick Guide

Note: The JC261 Dashcam is not included with this package and must be purchased separately. This device is only compatible with the JC261 model, not JC261P.

3. PRODUCT OVERVIEW

The JC171 DMS Camera is a compact unit designed for discreet installation within the vehicle cabin. It features a built-in speaker for audible alerts and infrared night vision capabilities.



Figure 1: Front-side view of the JIMIMAX JC171 DMS Camera.

Key Features:

- **Driver Monitoring System (DMS):** Detects fatigue (e.g., yawning) and distracted driving (e.g., texting, smoking, fiddling with stereo), as well as instances where the driver is not in position.
- **Visual AI Algorithms:** Incorporates AI for ADAS (Advanced Driver-Assistance Systems) and DMS functionalities to enhance road and driver safety.
- **Highly-Integrated Design:** Small form factor with an integrated speaker for immediate audible alerts.
- **Infrared Night Vision:** Equipped with IR-940 LEDs to capture clear images in low-light conditions without causing glare to the driver.

4. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of the DMS camera.

4.1 Mounting the Camera

1. **Choose a Location:** Select a position on your vehicle's windshield or dashboard that provides a clear, unobstructed view of the driver's face and upper body. Ensure it does not obstruct the driver's view of the road.
2. **Clean the Surface:** Thoroughly clean the chosen mounting surface with an alcohol wipe and allow it to dry completely. This ensures strong adhesion.
3. **Attach Adhesive:** Apply the supplied double-sided adhesive tape to the base of the camera's mounting bracket.
4. **Secure the Camera:** Firmly press the camera with the attached adhesive onto the cleaned surface. Hold for at least 30 seconds to ensure a secure bond.
5. **Adjust Angle:** Adjust the camera angle to ensure it is directed towards the driver's face. The camera should be able to clearly see the driver's eyes and head movements.

4.2 Connecting to JC261 Dashcam

The JC171 DMS Camera connects directly to your JIMIMAX JC261 Dashcam. Refer to your JC261 Dashcam's manual for specific port locations and connection procedures. Typically, the DMS camera connects via a dedicated port on the main dashcam unit.

- Ensure the dashcam is powered off before connecting the DMS camera.
- Carefully insert the connector into the designated port on the JC261 Dashcam.
- Route the cable neatly to avoid interference with driving controls or visibility.

5. OPERATING INSTRUCTIONS

Once connected and powered on with the JC261 Dashcam, the JC171 DMS Camera operates automatically.

5.1 Driver Monitoring Functionality

The DMS camera continuously monitors the driver for specific behaviors:

- **Fatigue Detection:** Identifies signs of drowsiness, such as prolonged eye closure (yawning).
- **Distraction Detection:** Recognizes common distractions, including texting, smoking, or excessive interaction with in-car systems.
- **Driver Position Monitoring:** Alerts if the driver is not properly positioned or looking at the road.



Figure 2: Visual representation of the DMS camera detecting various driver behaviors.

5.2 Audible Alerts

When a detected behavior triggers an alert, the built-in speaker will emit an audible warning. These alerts are designed to promptly notify the driver to re-focus on the road or take a break if fatigued.

5.3 Infrared Night Vision

The integrated IR-940 LEDs automatically activate in low-light conditions, ensuring the camera can maintain clear monitoring capabilities at night without emitting visible light that could distract the driver.

6. MAINTENANCE

To ensure the longevity and optimal performance of your JC171 DMS Camera, follow these maintenance guidelines:

- **Cleaning the Lens:** Gently wipe the camera lens with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water or a lens cleaning solution. Avoid abrasive materials or harsh chemicals.
- **Cleaning the Body:** Use a dry or slightly damp cloth to clean the camera body. Do not allow water or liquids to enter the device.
- **Environmental Conditions:** Avoid exposing the camera to extreme temperatures, direct sunlight for prolonged periods when not in use, or excessive moisture.
- **Cable Inspection:** Periodically check the connection cable for any signs of wear, damage, or loose connections.

7. TROUBLESHOOTING

If you encounter issues with your JC171 DMS Camera, refer to the following common problems and solutions:

- **Camera Not Powering On:**
 - Ensure the JC261 Dashcam is powered on and functioning correctly.
 - Check the connection cable between the DMS camera and the dashcam for secure attachment.
 - Verify that the cable is not damaged.
- **DMS Not Detecting Driver Behavior:**
 - Confirm the camera lens is clean and free from obstructions.
 - Ensure the camera is properly aimed at the driver's face and upper body. Adjust the mounting angle if necessary.
 - Verify that no objects are blocking the camera's field of view.
- **Unclear Night Vision:**
 - Clean the camera lens.
 - Ensure there are no external light sources directly interfering with the IR LEDs.
- **Audible Alerts Not Functioning:**
 - Check the volume settings on your JC261 Dashcam, if applicable.
 - Ensure the camera's built-in speaker is not obstructed.

If the problem persists after attempting these solutions, please contact JIMIMAX customer support.

8. SPECIFICATIONS

Feature	Description
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Model	JC171
Product Dimensions	2.67 x 1.29 x 2.16 inches (6.78 x 3.28 x 5.49 cm)
Item Weight	7.5 ounces (212.6 grams)
Connectivity Technology	Ethernet (via JC261 Dashcam)
Special Feature	Night Vision (Infrared IR-940 LEDs)
Video Capture Resolution	720p
Mounting Type	Dashboard or Windshield Mount
Control Method	Voice (via connected dashcam, if supported)
Manufacturer	JIMIMAX
Compatibility	JIMIMAX JC261 Dashcam (Not compatible with JC261P)

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official JIMIMAX website. You may also contact JIMIMAX customer service directly for assistance.

Please have your product model (JC171) and purchase information ready when contacting support.