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› User Manual for TIESFONG A7WB 3-Channel Dash Cam

TIESFONG A7WB

User Manual: TIESFONG A7WB 3-Channel Dash Cam

Model: A7WB | Brand: TIESFONG

1. INTRODUCTION

The TIESFONG A7WB is a sophisticated 3-channel dash camera system designed to provide comprehensive surveillance for your vehicle. It features high-definition video recording from multiple angles, advanced night vision capabilities, and intelligent parking monitoring. This manual provides detailed instructions for the proper installation, operation, and maintenance of your dash cam to ensure optimal performance and longevity.



Figure 1.1: TIESFONG A7WB 3-Channel Dash Cam main unit.

2. What's in the Box

Upon unboxing your TIESFONG A7WB dash cam, please verify that all the following components are included:

- A7WB Dash Camera & Rear Camera with cable
- P7 Hardwire Kit, 128G SD Card, CPL Filter
- User Manual, Cable Clips (5x), Card Reader
- Electrostatic Sticker, Car Wire Trim Tool, Adhesive Sticker
- OBD Connecting Cable, Fuse Connecting Cable, Fuse Wire



Figure 2.1: All components included in the TIESFONG A7WB Dash Cam package.

Unboxing Video

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Video 2.2: An unboxing video of the TIESFONG A7WB Dash Cam, showing the contents of the package.

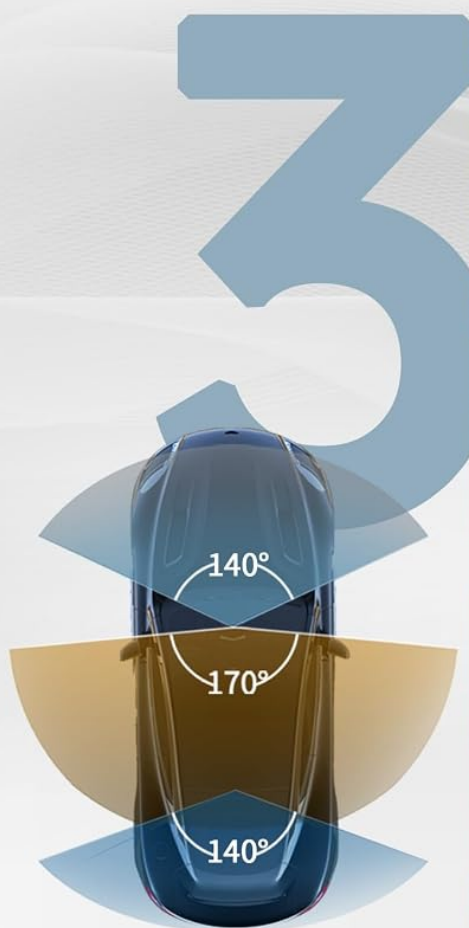
3. PRODUCT FEATURES OVERVIEW

The A7WB dash cam is equipped with several key features to enhance vehicle security and recording capabilities:

- **3-Channel Recording:** Provides 140° (front), 170° (interior), and 140° (rear) coverage for a 360-degree view.
- **High Definition Video:** Records 1440P + 1080P + 1080P simultaneously. Front camera can record up to 4K when used in 1-channel mode.
- **Night Vision:** Interior camera features 4 infrared LED lights. Front and rear cameras utilize WDR and HDR technology for clear footage in low light.
- **24-Hour Radar Parking Monitor:** Intelligent radar monitoring activates recording when an object moves within 1-3 meters of the vehicle while parked.
- **Low Voltage Protection:** Automatically cuts off power to protect the car battery when voltage is low.
- **Built-in G-Sensor:** Detects sudden collisions and locks video footage to prevent overwriting, securing important evidence.
- **Loop Recording:** Continuously records by overwriting the oldest files when the SD card is full, ensuring continuous operation (locked files are protected).
- **CPL Filter:** Reduces windscreen reflections for clearer video capture.
- **Built-in Wi-Fi & GPS:** Allows easy access, editing, and sharing of videos via the "TSCAM" app. GPS records driving track, speed, and location.
- **Compact Design:** 2-inch mini size designed to not obstruct driving view.



Figure 3.1: Key features of the TIESFONG A7WB Dash Cam.



Front: 1440P 140°



Inside: 1080P 170°



Rear: 1080P 140°

3 Channel:

1440P+ 1080P+ 1080P

2 Channel:

2160P/ 4K Front+

1080P (Rear/ Inside)

Single Front:

2160P/ 4K

Figure 3.2: Illustration of the 3-channel recording coverage.

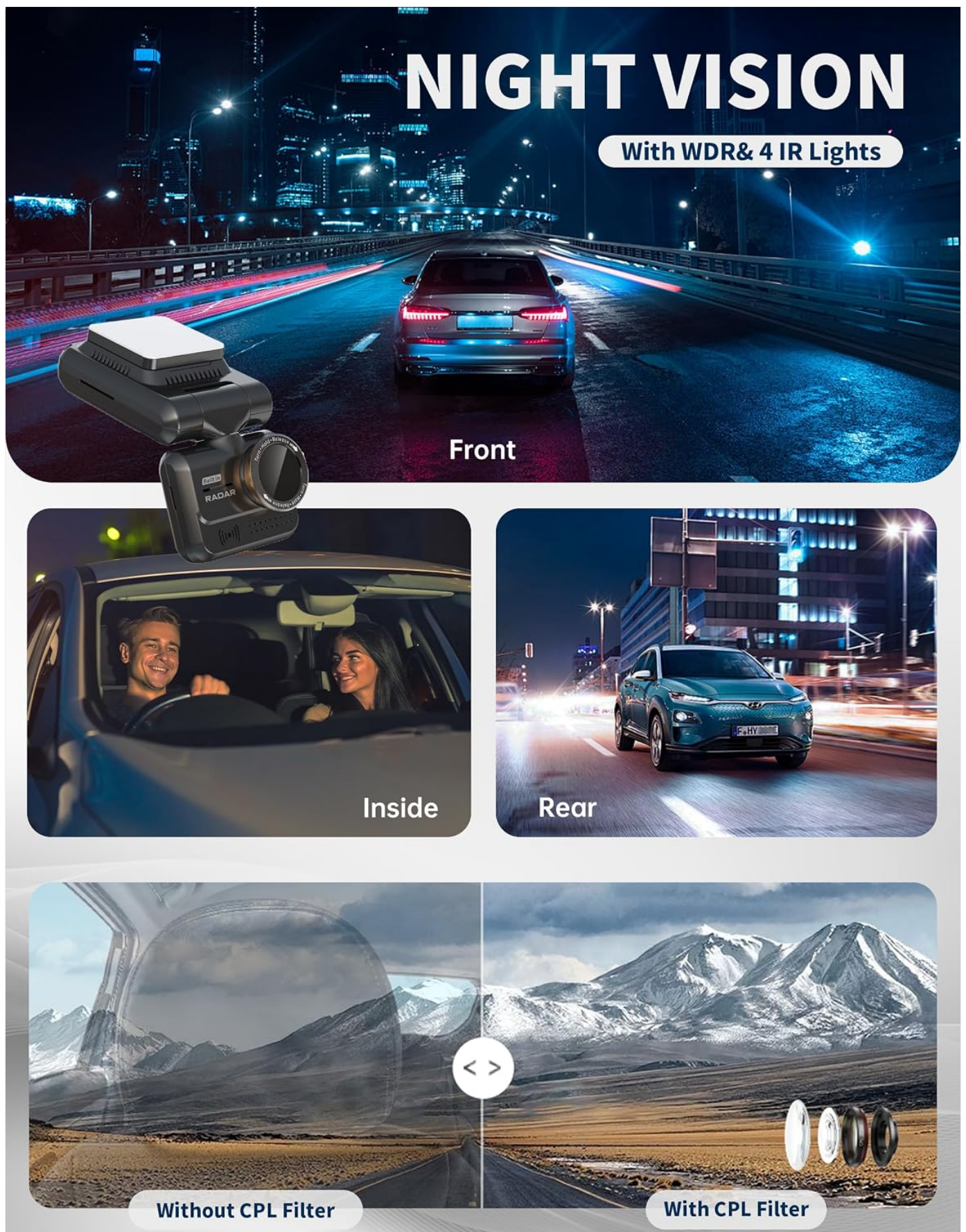


Figure 3.3: Night Vision and CPL Filter benefits.

1. Collision Detection

2. Low Voltage Protection

3. Motion Detection

4. 360° Detection

1m(3ft)

3m(9ft)

24 HOURS

RADAR PARKING MONITOR

With upgraded 24-hour radar detection system, recording will be activated when there is an object approaching 1-3 meters around.

* The detection range will be deviated, due to the size of different car models and the installation position of the dash cam.

Figure 3.4: 24-Hour Radar Parking Monitor functionality.



G-Sensor

Automatically detects collisions and saves clips to the Event Folder.

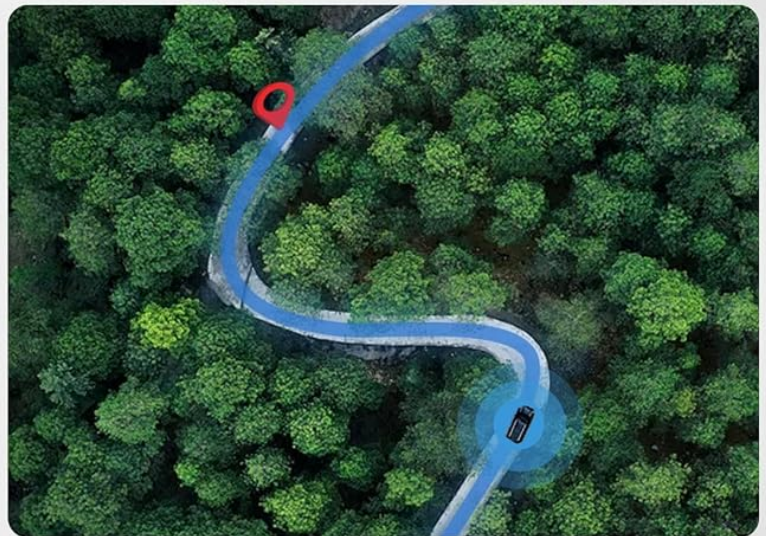
Auto overwrite the oldest videos with the newest.

(included Memory card)

GPS Route

SPEED TRACK

The built-in GPS accurately records your location, speed, and time, providing additional evidence of an accident occur.



Built-in WIFI & Free APP

SHARING MOMENTS

Connect to WIFI and share your moments on the road through the "TSCAM" APP.

Figure 3.5: G-Sensor, GPS, and Wi-Fi connectivity features.

Product Overview Video

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Video 3.6: A detailed product overview of the TIESFONG A7WB 3-Channel Dash Camera, highlighting its main features and design.

Product Demonstration Video

Product Demonstration Video

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Video 3.7: A short demonstration video of the A7WB Dash Camera for Cars.

4. SETUP

Proper setup is crucial for the optimal performance of your dash cam. Follow these steps carefully:

4.1. Install Memory Card

1. Insert a new TF card (microSD card) into the card slot.
2. Power on the recorder.
3. Access the Menu Interface.
4. Select the 'Format Card' option and confirm.
5. Wait for the formatting process to complete. The dash cam will automatically start recording once formatted.

4.2. Install Cam onto Car Windshield

The host (main unit) is best installed on the car glass behind the rearview mirror. The rear camera should be installed in the middle of the rear windshield.

1. Choose the desired location on your windshield.
2. Clean the area thoroughly with a screen cleaning paper.
3. Peel off the protective film from the electrostatic sticker and stick it on the car windshield.
4. Attach the dash cam to the electrostatic sticker using the adhesive.

4.3. Install Power Cord (Hardwire Kit)

The dash cam requires a hardwire connection for continuous power and parking monitoring. Two connection methods are provided:

- **OBD Connecting Cable:** Plug the OBD connector into your car's OBD socket, typically located under the dashboard near the steering wheel.
- **Fuse Box Connection:** Connect the fuse connecting cable to an appropriate fuse in your car's fuse box. Refer to your vehicle's manual for fuse box diagrams.

Always ensure the dash cam is connected to power when in use.

Installation Video

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Video 4.4: A step-by-step guide on installing the TIESFONG A7WB dash cam, including power connections.

5. OPERATING INSTRUCTIONS

This section details the various operating modes and functions of your TIESFONG A7WB dash cam.

5.1. Recording Modes

The dash camera supports multiple recording configurations:

- **3-Channel Mode:** Records simultaneously from front (1440P), interior (1080P), and rear (1080P) cameras.
- **2-Channel Mode:** Records from front (4K) and either interior or rear camera (1080P).
- **1-Channel Mode:** Records from the front camera only (4K).

Note: Due to the small screen size, it is recommended to view and download HD footage via the mobile app for optimal clarity.

5.2. Night Vision

The dash cam is designed for superior low-light performance:

- The interior camera is equipped with 4 infrared LED lights to capture clear images of the driver and passengers in dark conditions.
- Front and rear cameras utilize WDR (Wide Dynamic Range) and HDR (High Dynamic Range) technology to automatically balance light and dark areas, ensuring clear video even in challenging lighting.

5.3. G-Sensor (Emergency Lockout)

The built-in G-sensor detects sudden impacts or collisions. When triggered, it automatically locks the current video segment, preventing it from being overwritten by loop recording. This ensures critical evidence is preserved in case of an accident.

5.4. 24-Hour Radar Parking Monitor & Low Voltage Protection

When your vehicle is parked and the engine is off, the intelligent radar monitoring system activates. If a moving object approaches within 1-3 meters of your car, the dash cam will automatically start recording. This feature helps protect your vehicle from potential incidents while unattended.

The system also includes low voltage protection with three adjustable settings (11.8V/12.0V/12.2V). If your car battery voltage drops below the set threshold, the dash cam will automatically power off to prevent draining your vehicle's battery.

5.5. Loop Recording

The dash cam supports seamless loop recording. When the 128GB SD card (included) reaches its full capacity, the oldest unlocked video files will be automatically overwritten by new recordings. This ensures continuous recording without the need for manual card replacement. Emergency locked videos are protected from overwriting.

5.6. CPL Filter Usage

The included CPL (Circular Polarizing Lens) filter for the front camera helps reduce glare and reflections from the car windshield, improving video clarity and contrast, especially in bright conditions or when facing reflective surfaces.

5.7. Built-in Wi-Fi & App Connectivity

The dash cam features built-in Wi-Fi for easy connection to your smartphone via the "TSCAM" app. Through the app, you can:

- View live footage from the cameras.
- Playback recorded videos.
- Download video files to your phone.
- Edit and share your recordings.

Note: The app does not support remote live viewing when you are away from the vehicle. You must be within Wi-Fi range of the dash cam.

5.8. Built-in GPS Tracking

The integrated GPS module records your driving route, speed, and precise location in real-time. This data is embedded in the video files and can be viewed using the "TSCAM" app or a compatible GPS player software (like GXPlayer) on your computer. This provides valuable information for accident reconstruction or route analysis.

6. MAINTENANCE

To ensure the longevity and reliable performance of your dash cam, consider the following maintenance tips:

- **SD Card Formatting:** Regularly format the microSD card (e.g., once a month) through the dash cam's menu. This helps maintain optimal recording performance and prevents data corruption.
- **Cleaning:** Gently clean the camera lenses with a soft, lint-free cloth. Avoid abrasive materials or harsh chemicals.
- **Temperature Resistance:** The dash cam is designed to operate in a wide temperature range (-20°C to 65°C / -4°F to 149°F). However, prolonged exposure to extreme temperatures outside this range may affect performance.

7. TROUBLESHOOTING

If you encounter issues with your TIESFONG A7WB dash cam, please refer to the following common troubleshooting tips:

- **Camera Not Recording:** Ensure the SD card is properly inserted and formatted. Check if loop recording is enabled. Verify power connection.
- **Poor Video Quality:** Clean the camera lenses. Ensure the CPL filter is correctly installed if used. Check recording resolution settings.
- **Wi-Fi Connection Issues:** Ensure the dash cam's Wi-Fi is enabled. Restart both the dash cam and your smartphone. Ensure you are within close proximity to the dash cam.
- **Parking Monitor Not Activating:** Verify the radar switch is set to ON (0, 1, or 2). Ensure the hardwire kit is correctly installed and providing continuous power.
- **Dash Cam Shuts Off Unexpectedly:** Check the low voltage protection settings. Ensure your car battery is not low. Verify stable power connection.

For more detailed troubleshooting steps or persistent issues, please consult the full user manual provided with your product or contact TIESFONG customer support.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	1.38 x 2.36 x 5.31 inches
Item Weight	4.7 ounces
Model Number	A7WB
Batteries	1 Lithium Polymer batteries required (included)
Connectivity Technologies	Wi-Fi
Color	Black
Manufacturer	TIESFONG
Date First Available	March 27, 2024
Orientation	Front and Rear and Inside
Video Capture Resolution	4K (front), 1080P (rear/inside)
Mounting Type	Windshield Mount

9. WARRANTY AND SUPPORT

TIESFONG products are designed for reliability and performance. For specific warranty information regarding your A7WB Dash Cam, please refer to the warranty card included in your product packaging or visit the official TIESFONG website. If you require technical assistance, have questions about product features, or need to report an issue, please contact TIESFONG customer support. Contact details can typically be found in the user manual or on the brand's official website. TIESFONG aims to respond to inquiries within 24 hours. You can also visit the [TIESFONG Store on Amazon](#) for more information and product updates.

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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.

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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