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› [TUIFAC](#) /

› [TUIFAC VT15 4K Mirror Dash Cam User Manual](#)

TUIFAC VT15

TUIFAC VT15 4K Mirror Dash Cam User Manual

Model: VT15

1. INTRODUCTION

Thank you for choosing the TUIFAC VT15 4K Mirror Dash Cam. This device is designed to enhance your driving safety and provide reliable video evidence in case of incidents. It features high-resolution front and rear cameras, a large touchscreen display, and advanced functions like GPS, Wi-Fi, and voice control. Please read this manual thoroughly before installation and operation to ensure proper use and optimal performance.

For your safety, always prioritize safe driving practices. Do not operate the device or adjust settings while driving. Ensure the dash cam is securely mounted and does not obstruct your view of the road.



Image 1.1: TUIFAC VT15 Mirror Dash Cam overview.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Ultra HD 4K Front + 2.5K Rear Recording:** Captures clear footage from both front and rear perspectives.
- **12-inch Full Touchscreen:** Provides an intuitive interface and a wide 170° viewing angle.

- **Built-in WiFi & GPS:** Allows app connectivity for video management and tracks driving routes, speeds, and locations.
- **Advanced WDR Night Vision:** Ensures clear footage in low-light conditions.
- **Reverse Assist:** Offers parking guidance for safer maneuvering.
- **Voice Control:** Enables hands-free operation for key functions.
- **G-Sensor:** Automatically locks video in case of collision or sudden braking.
- **Seamless Loop Recording:** Overwrites oldest files when the memory card is full.
- **Supercapacitor:** Provides enhanced durability and reliability compared to traditional batteries.

2.2 Package Contents

Please check the package for the following items:

- 1 x TUIFAC VT15 4K Mirror Dash Cam
- 1 x 2.5K Rear Camera with Screws and Adhesive Mount
- 1 x External GPS Antenna
- 1 x 32GB MicroSD Card (pre-installed in VT15)
- 1 x 11.5FT Car Charger (USB Type-C)
- 1 x 21.3FT Rear Camera Cable
- 1 x Wire Tools
- 1 x User Manual



Image 2.1: Included components in the TUIFAC VT15 package.

3. SETUP AND INSTALLATION

Proper installation is crucial for the dash cam's performance. It is recommended to route cables neatly to avoid obstructing your view or interfering with vehicle controls.

3.1 Mounting the Mirror Dash Cam

1. Attach the mirror dash cam over your existing rearview mirror using the provided rubber straps. Ensure it is securely fastened and centered.
2. Adjust the angle of the front camera lens to capture the road ahead clearly.

3.2 Installing the Rear Camera

1. Determine the optimal mounting location for the rear camera. Common locations include above the license plate or inside the rear window.
2. Clean the mounting surface thoroughly.
3. Use the provided adhesive mount or screws to secure the rear camera.
4. Route the rear camera cable from the rear of the vehicle to the main mirror dash cam unit. Conceal the cable along the vehicle's trim for a tidy installation.
5. Connect the rear camera cable to the designated port on the mirror dash cam.

3.3 Connecting Power and GPS

1. Connect the car charger to the Type-C power input on the mirror dash cam.
2. Plug the other end of the car charger into your vehicle's 12V power outlet (cigarette lighter socket).
3. Connect the external GPS antenna to its dedicated port on the dash cam. Mount the GPS antenna on the dashboard or a location with a clear view of the sky for optimal signal reception.
4. Use the provided wire tools to tuck and conceal all cables for a clean and safe installation.



Image 3.1: Simplified installation diagram for the TUIFAC VT15.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Power On/Off:** The device will automatically power on and begin recording when the vehicle's ignition is turned on. It will power off automatically when the ignition is turned off. You can also manually power it on/off by pressing and holding the power button.
- **Touchscreen Interface:** The 12-inch touchscreen allows for intuitive navigation through menus and settings. Swipe gestures can be used to switch between front and rear camera views, adjust display brightness, and access playback.
- **Recording:** Once powered on, the dash cam automatically starts continuous loop recording. A recording indicator will be visible on the screen.

4K TOUCH SCREEN



Anti-Glare



Vertical Flip



Super Capacitor



Parking Monitor



Night Vision



Image 4.1: Interacting with the 4K touchscreen display.

4.2 Advanced Features

4.2.1 Wi-Fi and App Control

The built-in Wi-Fi allows you to connect the dash cam to your smartphone via a dedicated app (e.g., VeeCar). This enables you to:

- View live footage.
- Download recorded videos to your phone.
- Share videos directly from the app.
- Adjust dash cam settings.
- Update firmware.

Download the app from the App Store (iOS) or Google Play Store (Android).

SMOOTH WIFI-APP CONTROL ENJOY FASTER VIDEO

Download and instantly share via the App



Image 4.2: Seamless Wi-Fi and app control for video management.

4.2.2 GPS Tracking

The external GPS antenna provides accurate location, speed, and route data. This information is embedded in the video files and can be viewed using the dedicated PC player software or the mobile app, offering valuable insights for incident analysis.

SMART GPS TRACKING

Keep track of the route travelled and the speed you're going



Image 4.3: Smart GPS tracking functionality.

4.2.3 Voice Control

Operate key functions hands-free using voice commands. This feature allows you to maintain focus on the road. Common commands include:

- "Lock the video"
- "Turn off screen"
- "Show both cameras"

SMART VOICE CONTROL

Experience convenient voice commands for effortless operation



“Lock the video”

“Turn off screen”

“Show both cameras”



Image 4.4: Hands-free operation with smart voice control.

4.2.4 G-Sensor

The built-in G-Sensor detects sudden impacts or rapid acceleration/deceleration. In such events, it automatically locks the current video segment, preventing it from being overwritten by loop recording. This ensures critical incident footage is preserved.

4.2.5 Loop Recording

The dash cam records video in continuous loops (e.g., 1, 2, or 3-minute segments). When the 32GB MicroSD card is full, the oldest unlocked files are automatically overwritten to make space for new recordings. This ensures continuous recording without manual intervention.

G-Sensor

In the event of collision or sudden braking, auto locking and safeguarding current incident video.



Seamless Loop Recording

Contains 32G high-speed SD card
The dash cam will automatically overwrite the oldest videos when the memory card is full eliminating the need for manual deletion and ensuring you never miss a moment on the road.



Image 4.5: G-Sensor and Loop Recording features.

4.2.6 Parking Monitor

When the vehicle is parked, the parking monitor feature can detect impacts and automatically record a short video segment. This requires a continuous power supply (e.g., via a hardwire kit, sold separately) to function when the vehicle is off.

4.2.7 Reverse Assist

When the vehicle is shifted into reverse gear, the display automatically switches to the rear camera view, showing parking guidelines. These guidelines can be adjusted by swiping up and down on the touchscreen to match your vehicle's dimensions, aiding in safer parking maneuvers.

REVERSING AID LINE

Improve your driving experience

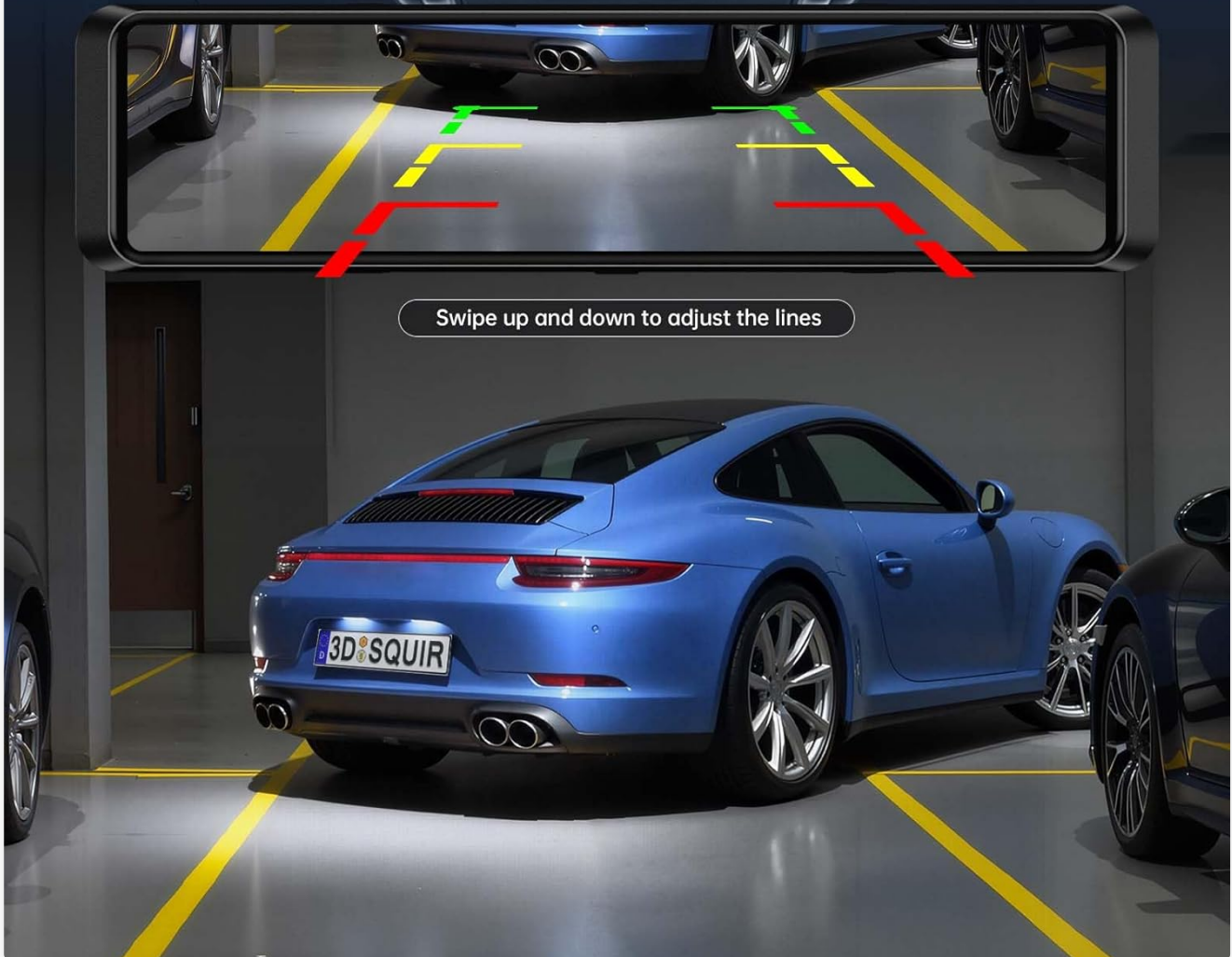


Image 4.6: Reversing aid lines for improved parking.

4.2.8 WDR Night Vision

The Wide Dynamic Range (WDR) technology optimizes video quality in varying light conditions, particularly in low-light environments. This ensures that details are captured clearly during nighttime driving, reducing overexposure and underexposure.



SUPER NIGHT VISION

4K+2.5K front and rear cameras are equipped with WDR/HDR technology, which can maximize the restoration of night scene details.

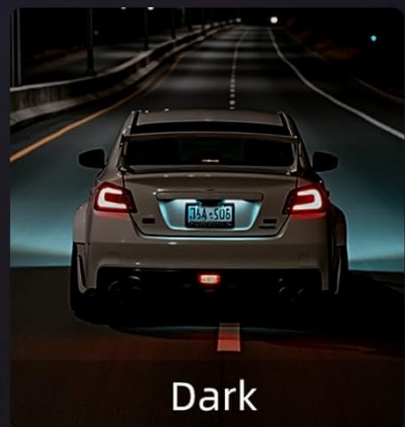
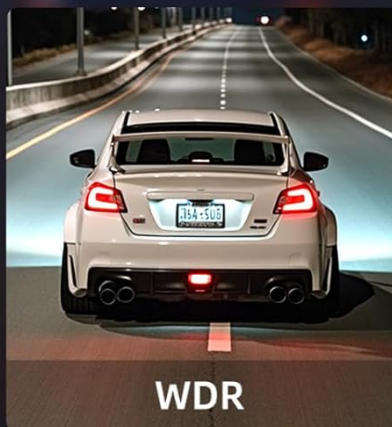
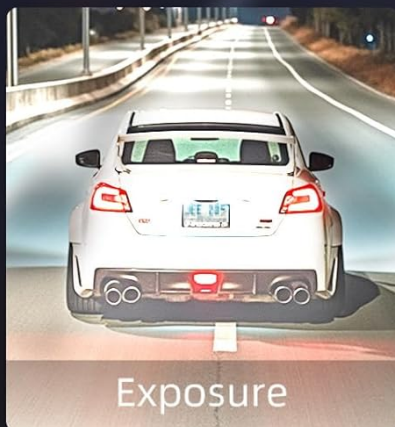


Image 4.7: Super Night Vision with WDR technology.

4.2.9 Adjustable Flip

The rear camera display offers adjustable flip options (Vertical Flip, Mirror Flip) to accommodate various vehicle installation methods and user preferences, ensuring the image orientation is correct.

Adjustable Flip

The adjustable rear cam display adapts to various vehicle installation methods.



VERTICAL FLIP



MIRROR FLIP

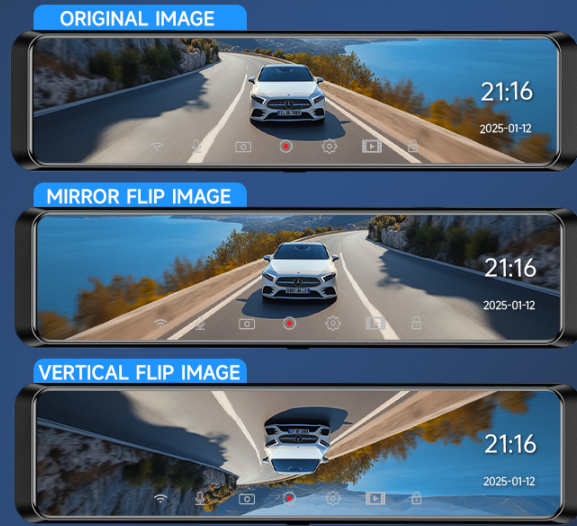


Image 4.8: Adjustable flip options for the rear camera display.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the lens and screen. Avoid using abrasive cleaners or solvents.
- **MicroSD Card:** Format the MicroSD card regularly (e.g., once a month) through the dash cam's settings to maintain optimal recording performance and prevent data corruption. Replace the card if it shows signs of degradation or error. The device supports up to 256GB MicroSD cards.
- **Storage:** When not in use for extended periods, store the dash cam in a cool, dry place away from direct sunlight.
- **Temperature:** The dash cam is designed to operate within a wide temperature range (-4°F to 158°F / -20°C to 70°C). However, extreme temperatures can affect performance and lifespan.

Support Max 256G Card

Comes with a free 32G SD card, you can use the dash cam when you receive it. The camera supports Max 256G memory, perfect for long journeys. We recommend using a well-known brand U1 or above SD card.

32G		6H
64G		12H
128G		24H
256G		48H



Image 5.1: MicroSD card capacity and recording duration information.



Image 5.2: Operating temperature range of the dash cam.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply; faulty car charger; loose connection.	Check car charger connection; ensure vehicle's 12V outlet is working; try a different power source.
Recording stops or freezes.	MicroSD card error; card full; low-quality MicroSD card.	Format the MicroSD card; replace with a high-speed (U1 or above) MicroSD card; check for firmware updates.
Rear camera not displaying.	Loose cable connection; faulty rear camera.	Check the rear camera cable connection to the main unit; ensure the cable is not damaged.
GPS signal not found.	GPS antenna obstructed; loose connection.	Ensure GPS antenna has a clear view of the sky; check antenna connection.
Wi-Fi connection issues.	Incorrect password; app issues; interference.	Ensure correct Wi-Fi password; restart dash cam and phone; reinstall the app.
Voice control not responding.	Microphone obstructed; noisy environment; incorrect commands.	Speak clearly; reduce background noise; refer to the list of supported voice commands.

7. SPECIFICATIONS

Feature	Specification
Model	VT15
Screen Size	12 Inches (IPS Display)

Feature	Specification
Front Camera Resolution	4K (Ultra HD)
Rear Camera Resolution	2.5K
Front Camera Viewing Angle	170°
Rear Camera Viewing Angle	140°
Connectivity	USB, Wi-Fi
Special Features	Built-In Display, Built-In GPS, Built-In Speaker, Built-In Supercapacitor, Compact Design, G-Sensor, Loop Recording, Parking Monitor, Reverse Assist, Mute Function, Internal Memory, Night Vision, Touch Screen
Storage	Supports up to 256GB MicroSD Card (32GB included)
Operating Temperature	-4°F to 158°F (-20°C to 70°C)
Product Dimensions	1.42"D x 11.42"W x 3.27"H (3.6cm x 29cm x 8.3cm)
Item Weight	2.03 pounds (0.92 kg)

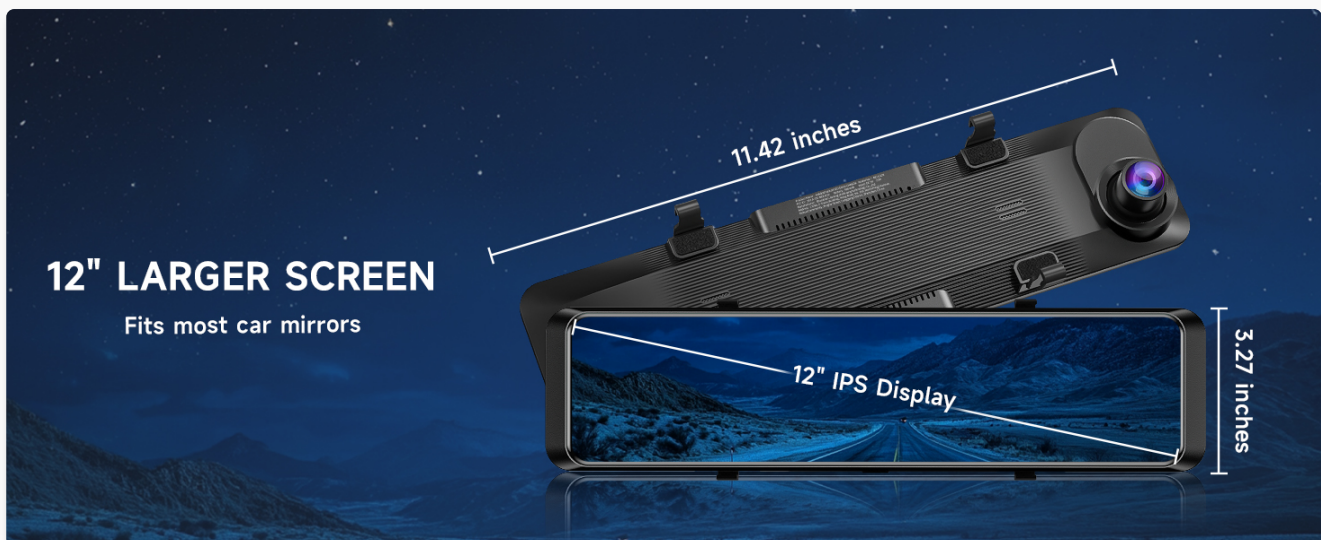


Image 7.1: Physical dimensions of the 12-inch mirror dash cam.

8. WARRANTY AND SUPPORT

TUIFAC products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included in your package for specific terms and conditions, including the warranty period and coverage details.

For technical support, troubleshooting assistance, or warranty claims, please contact TUIFAC customer service. Contact information can typically be found on the product packaging, the official TUIFAC website, or the warranty card.

When contacting support, please have your product model (VT15) and purchase information ready.