VANTRUE T3

Vantrue T3 Dash Cam Instruction Manual

Model: T3

1. Introduction

Thank you for choosing the Vantrue T3 Dash Cam. This manual provides essential information for setting up, operating, and maintaining your device. The Vantrue T3 is designed to capture high-quality video footage of your journeys and parking incidents, offering features such as 1520P resolution, radar motion detection parking mode, and enhanced night vision. Please read this manual thoroughly before use to ensure proper operation and to maximize the benefits of your dash cam.

2. Product Overview

2.1 Package Contents

- Vantrue T3 Dash Cam
- OBD Hardwired Cable
- USB-C Data Cable
- Car Charger
- Suction Cup Mount
- User Manual

2.2 Device Layout

Familiarize yourself with the buttons and ports on your Vantrue T3 Dash Cam:

Image: Vantrue T3 Dash Cam with labeled components. Key features include the 2.45" IPS Screen, Button Panel, Emergency Button, Mic, Type-C USB port, Micro SD Card slot (supports up to 256GB), Reset Button, Radar Microwave Detection Indicator, Sony Starvis CMOS Sensor, 6-Glass Lens, and F1.4 Large Aperture.

1. **Button Panel:** For menu navigation and selection.
2. **Emergency Button:** Manually locks current recording.
3. **2.45" IPS Screen:** Displays live view, menu, and playback.
4. **Mic:** Records audio inside the vehicle.
5. **Type-C USB:** Power input and data transfer.
6. **Micro SD Card Slot:** Insert your memory card here (up to 256GB).
7. **Reset Button:** Resets the device to factory settings.
8. **Radar Microwave Detection Indicator:** Lights up when radar motion is detected.
9. **Lens:** High-resolution 6-glass lens with F1.4 aperture and 160° wide angle.

3. Setup

3.1 Inserting the Micro SD Card

1. Ensure the dash cam is powered off.
2. Insert a Class 10 or higher Micro SD card (up to 256GB recommended) into the Micro SD card slot until it clicks into place.
3. To remove, gently push the card in until it clicks, then release.

Note: Always format the Micro SD card within the dash cam before first use and periodically thereafter to ensure stable recording performance.

3.2 Mounting the Dash Cam

1. Clean the windshield area where you intend to mount the dash cam.
2. Attach the suction cup mount to the dash cam.
3. Press the suction cup firmly against the windshield and flip the lever to secure it.
4. Adjust the lens angle to ensure it captures the road ahead clearly, avoiding obstruction from the rearview mirror or wipers.

3.3 Power Connection (OBD Hardwired Cable)

The Vantrue T3 includes an OBD hardwired cable for continuous power, enabling 24/7 parking monitoring and protecting your car battery from depletion.

1. Locate your vehicle's OBD-II port (usually under the dashboard on the driver's side).
2. Plug the OBD connector into the vehicle's OBD-II port.
3. Connect the USB-C end of the OBD cable to the dash cam's Type-C USB port.
4. Route the cable neatly along the windshield and dashboard edges to avoid obstructing your view or interfering with driving controls.

The dash cam will automatically power on and begin recording when the vehicle's ignition is turned on, and switch to parking mode when the ignition is off.

3.4 Initial Configuration

Upon first power-on, you may need to set the date, time, and language. Navigate the menu using the button panel.

Optional GPS Functionality: For GPS tracking of location and speed, an external GPS mount (sold separately, ASIN: B083XBS88L) is required. Attach the GPS mount to the dash cam and connect it to power instead of the standard mount.

4. Operating Instructions

4.1 Basic Recording

Once powered on, the Vantrue T3 automatically starts continuous loop recording. The 1520P resolution and 160° wide-angle lens capture a broad view of the road.

Image: Comparison of 1520P and 1080P recording quality, highlighting the 160° wide angle and other features like Sony Starvis Sensor and F1.4 Aperture.

4.2 Night Vision and HDR

The dash cam features a Sony Starvis Sensor, 6-glass lens, and F1.4 large aperture, combined with High Dynamic Range (HDR) technology, to deliver clear and detailed video even in low-light conditions or at night.

Image: Illustrates the Super Night Vision capability of the Vantrue T3, equipped with Sony Starvis Sensor, HDR technology, and F1.4 Large Aperture for clear low-light recording.

4.3 24/7 Radar Detection Parking Monitor

When the vehicle is parked and the ignition is off, the dash cam enters parking mode. The integrated microwave radar sensitively detects any movement in front of the car or vibrations, triggering recording to capture potential incidents.

Image: Depicts the 24/7 Guard with Radar Parking Monitor, showing how microwave radar triggers recording upon movement. Also illustrates Collision Detection, where the OBD cable ensures continuous power.

4.4 G-Sensor (Collision Detection)

The built-in G-sensor automatically detects sudden shakes or collisions. When activated, it locks and saves the current footage to a protected folder, preventing it from being overwritten by loop recording. This ensures critical incident evidence is preserved.

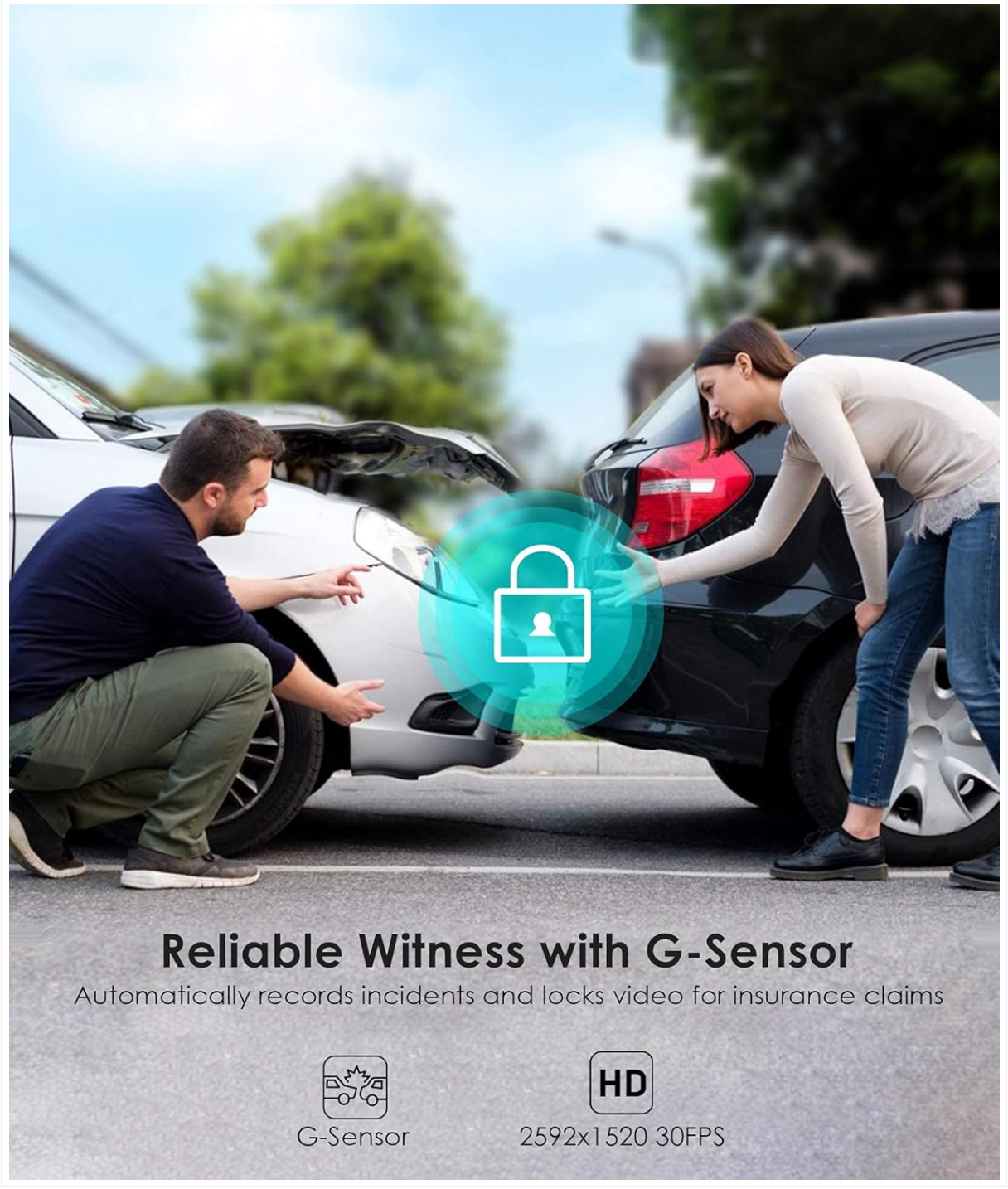

Image: Shows the G-Sensor feature, acting as a reliable witness by automatically recording incidents and locking video footage for insurance claims, captured in 2592x1520 at 30FPS.

4.5 Seamless Loop Recording

The dash cam continuously records video in short segments (e.g., 1, 3, or 5 minutes). When the Micro SD card is full, the oldest unlocked footage is automatically overwritten by new recordings. This ensures uninterrupted recording without manual intervention.

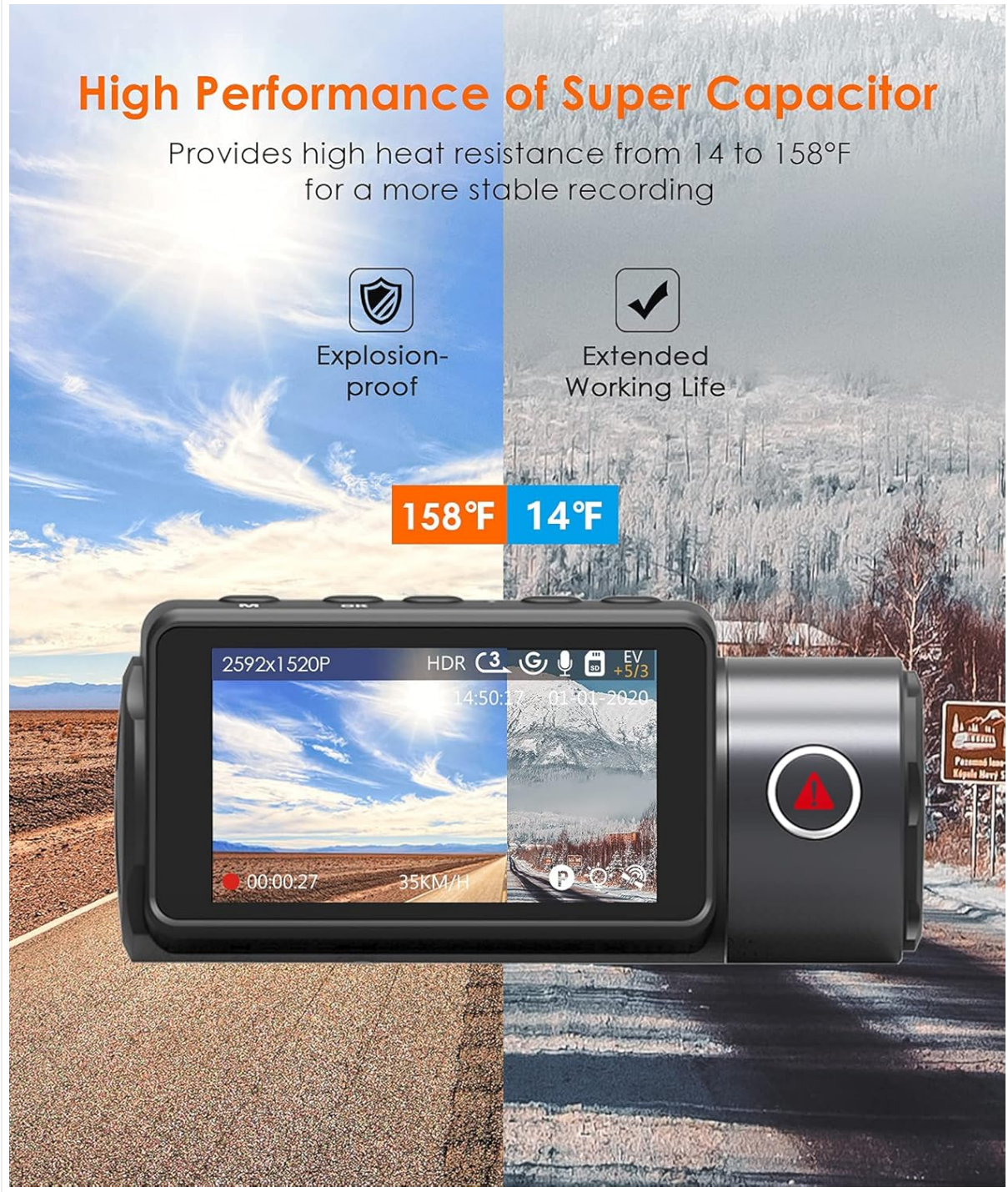

Image: Illustrates Seamless Loop Recording, where the dash cam continuously records and overwrites the oldest footage. Also shows the Time Lapse function, which records frames to create a condensed video, saving memory card space.

4.6 Time Lapse Recording

The Time Lapse function allows the dash cam to capture still images at set intervals (e.g., one photo per second) and then combine them into a video. This is useful for monitoring long periods, such as a multi-week road trip, while conserving memory card space.

4.7 Super Capacitor Technology

The Vantrue T3 utilizes a super capacitor instead of a traditional battery. This provides superior heat and cold resistance, allowing the dash cam to operate reliably in temperatures ranging from 14°F to 158°F (-10°C to 70°C). This design enhances durability, prevents overheating issues, and extends the device's service life.

Image: Demonstrates the high performance of the Super Capacitor, providing heat resistance from 14°F to 158°F, ensuring explosion-proof operation and extended working life for stable recording.

5. Maintenance

5.1 Micro SD Card Management

- **Formatting:** Regularly format your Micro SD card (at least once a month) through the dash cam's menu to prevent data corruption and ensure optimal performance.
- **Supported Capacity:** The Vantrue T3 supports Micro SD cards up to 256GB. Using a high-quality, reputable brand Class 10 (or higher) card is crucial for reliable recording.
- **Card Lifespan:** Micro SD cards have a limited number of write cycles. If you experience frequent recording errors, consider replacing the card.

5.2 Firmware Updates

Vantrue continuously provides firmware updates to improve performance and add new features. Check the official Vantrue website for the latest firmware. Firmware updates are typically performed by downloading the update file to your Micro SD card and inserting it into the dash cam.

6. Troubleshooting

If you encounter issues with your Vantrue T3 Dash Cam, please refer to the following common problems and solutions:

- **Dash cam does not power on:**
  - Ensure the OBD cable is securely connected to both the dash cam and the vehicle's OBD-II port.
  - Check if the vehicle's ignition is on (if not using 24/7 parking mode).
  - Try using the standard car charger to rule out an issue with the OBD cable.
- **Dash cam stops recording or freezes:**
  - Format the Micro SD card within the dash cam.
  - Ensure you are using a genuine Class 10 (or higher) Micro SD card from a reputable brand. Counterfeit or low-quality cards can cause issues.
  - Try a different Micro SD card to see if the issue persists.
  - Perform a factory reset via the dash cam's menu.
- **Video footage is blurry or unclear:**
  - Clean the dash cam lens and the section of the windshield in front of the lens.
  - Ensure the protective film has been removed from the lens.
  - Check video resolution settings in the menu.
- **Parking monitor is not working:**
  - Ensure the OBD hardwired cable is correctly installed and providing continuous power.
  - Verify that parking mode is enabled in the dash cam's settings.
  - Adjust the radar detection sensitivity if necessary.

If these steps do not resolve your issue, please contact Vantrue customer support for further assistance.

7. Specifications

Feature	Specification
Brand	VANTRUE
Model Number	T3
Video Capture Resolution	1520p (2592x1520 @ 30FPS) or 1080P @ 60FPS
Field of View	160 Degrees
Screen Size	2.45 Inches (IPS LCD)
Special Features	F1.4 Large Aperture, Parking Monitor (Radar Detection), Super Capacitor, Night Vision (HDR), G-Sensor, Loop Recording, Time Lapse
Connectivity Technology	USB

Feature	Specification
Flash Memory Type	MicroSD (Supports up to 256GB)
Power Source	OBD Hardwired Cable (12V/24V compatible)
Operating Temperature	14°F to 158°F (-10°C to 70°C)
Item Weight	100 Grams

8. Warranty and Support

The Vantrue T3 Dash Cam comes with an **18-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures your product is free from material and workmanship flaws under normal use.

Vantrue also provides **lifetime technical support**. If you have any questions, encounter issues, or require assistance with your device, please do not hesitate to contact our support team. We are committed to continuously updating the firmware to improve performance and features, and our team is ready to help you resolve any product-related concerns.

For support, please visit the official Vantrue website or refer to the contact information provided in your product packaging.