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# VANTRUE E360 ACE 360-Degree Dash Cam and Handheld Action Camera User Manual

Model: E360 Ace

## 1. INTRODUCTION

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The VANTRUE E360 ACE is a versatile device designed to enhance your driving safety and capture life's moments. It functions as both a high-resolution 360-degree dash cam and a portable handheld action camera. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and user experience.



Figure 1: VANTRUE E360 ACE main unit, rear camera, handheld stick, and smartphone app interface.

## 2. PACKAGE CONTENTS

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

- E360 Main Unit
- Rear Camera
- Handheld Stand
- GPS Mount
- Tripod Stand
- Interior Trim Removal Tool
- Stickers (x2)
- Double-Sided Tape
- Static Cling Sheets (x2)
- Cable Clips
- Cigarette Lighter Power Cable (3m)
- Rear Camera Cable (6m)
- Quick Start Guide

- USB Data Cable (1m)
- Car Mount
- Charging Cable



Figure 2: All components included in the VANTRUE E360 ACE package.

### 3. PRODUCT OVERVIEW

#### 3.1 Key Features

- **5.2K + 1440P Ultra-High-Definition Recording:** Captures clear front and interior footage with wide-angle lenses (210° front, 210° interior, 165° rear).
- **Handheld Action Camera Functionality:** Detachable main unit for versatile recording outside the vehicle.

- **STARVIS 2 Super Night Vision:** Enhanced low-light performance with HDR and infrared LEDs for clear night recordings.
- **360° Panoramic View:** Dynamic stitching technology provides a seamless, distortion-free view of the vehicle's interior.
- **Multiple Operation Methods:** Control via touch screen, voice commands, or dedicated smartphone app.
- **Integrated GPS:** Records location, speed, and time data, viewable with dedicated PC software.
- **24-Hour Parking Surveillance:** Four modes (Motion Detection, Time-Lapse, Impact Detection, Low Bitrate) available with optional hardwire kit.
- **Loop Recording & G-Sensor:** Automatic file management and emergency recording upon impact.

## 4. INSTALLATION

### 4.1 Dash Cam Installation

1. Clean the windshield area where the dash cam will be mounted.
2. Attach the static cling sheet to the windshield, then apply the double-sided tape to the GPS mount and adhere it to the static cling sheet.
3. Slide the E360 main unit onto the GPS mount until it clicks into place.
4. Connect the cigarette lighter power cable to the dash cam and route it neatly along the windshield and dashboard to the cigarette lighter socket.

### 4.2 Rear Camera Installation

1. Mount the rear camera on the rear windshield using the provided adhesive.
2. Connect the rear camera cable to the main unit and route it discreetly to the rear of the vehicle.



Figure 3: Dash cam and rear camera installation steps.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

The device will automatically power on and begin recording when connected to power and the vehicle ignition is turned on. To manually power off, press and hold the power button.

### 5.2 Recording Modes

- **Continuous Recording:** Records continuously in segments, overwriting the oldest files when the memory card is full.
- **Emergency Recording:** Activated by the G-sensor upon impact, saving footage to a protected folder.

- **Parking Surveillance:** See Section 6 for details.

## 5.3 Handheld Camera Functionality

The E360 ACE offers versatile functionality, serving as both a 360-degree dash cam and a handheld action camera. By attaching the included handheld stand, you can easily detach the main unit from your vehicle and capture moments during travel or daily activities. This feature allows for flexible recording of high-quality video, preserving important memories beyond just driving.



Figure 4: Using the E360 ACE as a handheld camera.

## 5.4 Multiple Operation Methods

The E360 ACE offers multiple control options: touch screen, voice commands, and a dedicated smartphone app. The intuitive touch panel and voice control allow for hands-free adjustment of settings. Its 5.8GHz Wi-Fi connectivity enables seamless real-time preview, video playback, and downloading of footage directly to your smartphone via the app. This flexible design ensures convenient and safe operation while driving.



Figure 5: Control the E360 ACE using touch, voice, or the app.

## 6. ADVANCED FEATURES

### 6.1 High-Resolution Recording & Diverse Display Modes

The E360 ACE features 5.2K + 1440P ultra-high-definition recording, capturing clear front and interior footage. It utilizes wide-angle lenses (210° front, 210° interior, 165° rear) to cover all directions without blind spots. Multiple display modes are available, including 5.2K + 1440P panoramic view, dual fisheye + 1440P, 1944P+1944P+1944P, and a dedicated handheld mode, catering to various recording preferences.



Figure 6: Diverse video display options.

## 6.2 STARVIS 2 Super Night Vision & IR Lights

The E360 ACE incorporates second-generation STARVIS 2 technology for its front and interior cameras, paired with HDR, to ensure clear footage in challenging lighting conditions such as backlighting, tunnel transitions, and low-light environments. The rear camera features STARVIS technology, providing clear license plate capture even in rain or at night. Both front and interior cameras are equipped with four infrared LEDs that automatically adjust to ambient light, greatly enhancing visibility and enabling clear recording in complete darkness.



Figure 7: Enhanced night vision with STARVIS 2 and IR lights.

## 6.3 360° Panoramic View & Dynamic Stitching

The E360 ACE utilizes proprietary dynamic stitching technology to create a seamless 360-degree panoramic view of the vehicle's interior, including both A-pillars. This advanced feature ensures clear, distortion-free images, eliminating blind spots around the vehicle. It aids in identifying potential damage to side windows, theft attempts, or door dings while parked, enhancing overall driving and parking safety.

## 6.4 Parking Surveillance Modes

When connected with an optional hardwire kit (sold separately, models B094882TJC, B0B7NGCTGQ), the E360 ACE offers four 24-hour parking surveillance modes:

- **Motion Detection:** Records when motion is detected, including a 10-second pre-record.
- **Time-Lapse Recording:** Captures images at set intervals to save storage space.
- **Impact Detection (G-sensor):** Automatically records upon sensing a collision, with low power consumption.
- **Low Bitrate Recording:** Records at a lower bitrate to conserve storage.

The low-light night vision capability ensures 360-degree recording even in dark environments, providing reliable coverage of the vehicle's surroundings and interior.



Figure 8: Motion Detection in Parking Surveillance mode.



Figure 9: Impact Detection in Parking Surveillance mode.

## 6.5 GPS Functionality & PC Software

The integrated GPS module provides automatic time synchronization and records essential driving data including location, vehicle speed, latitude, and longitude. This data is valuable for reviewing travel routes and incident details. A dedicated PC software, compatible with both Windows and Mac, allows for advanced video playback with five viewing modes (including panoramic and fisheye) and up to 6x zoom, facilitating detailed analysis of recorded footage.



Figure 10: GPS tracking and PC software interface.

## 7. MAINTENANCE

- Memory Card:** Regularly format the microSD card (at least once a month) to prevent data corruption. Use a high-quality, genuine VANTRUE microSD card for optimal performance. The device supports up to 1TB.
- Cleaning:** Use a soft, dry cloth to clean the camera lenses and the device body. Avoid using abrasive cleaners or solvents.
- Firmware Updates:** Check the VANTRUE website or app periodically for firmware updates to ensure the best performance and latest features.

## 8. TROUBLESHOOTING

### 8.1 Common Issues and Solutions

| Issue                          | Possible Cause                               | Solution   |
|--------------------------------|--|--|
| Device does not power on.      | No power supply; faulty cable.               | Check power connection; try a different cable/power source.          |
| Recording stops unexpectedly.  | Memory card error; overheating.              | Format/replace microSD card; ensure proper ventilation.              |
| GPS signal lost or inaccurate. | Poor satellite reception; faulty GPS module. | Relocate device for clearer sky view; contact support if persistent. |
| Wi-Fi connection issues.       | Incorrect password; interference; app issue. | Verify Wi-Fi password; restart device/phone; reinstall app.          |

## 9. SPECIFICATIONS

| Feature                        | Detail             |
|--------------------------------|--------------------|
| Model Name                     | E360 Ace           |
| Brand                          | VANTRUE            |
| Video Capture Resolution       | 5.2K+1440P         |
| Screen Size                    | 1.54 inches        |
| Display Type                   | LCD                |
| Control Method                 | App, Touch, Voice  |
| Mounting Type                  | Front Glass Mount  |
| Product Dimensions (L x W x H) | 7.7 x 4.6 x 4.5 cm |

| Feature            | Detail  |
|--------------------|---|
| Product Weight     | 618 g   |
| Compatible Devices | Smartphones   |
| Battery Included   | Yes   |
| Supported Vehicles | RV, Truck, Bus, Minivan, Car  |
| Other Functions    | App control, Touch screen, Handheld camera, 360-degree recording, 5.2K+1440P high image quality, STARVIS 2 super night vision, Front/rear HDR, 24-hour parking surveillance, Front/rear 4 infrared lights, Fisheye lens, Built-in GPS, Impact detection, G-sensor, Continuous recording, Voice control, 10-second pre-record, Motion detection, Time-lapse shooting, Motion sensor, Built-in WiFi |

## 10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official VANTRUE website or contact VANTRUE customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.