ThiEYE ThiEYE Carview2

ThiEYE Carview2 Dash Cam Mirror User Manual

Model: ThiEYE Carview2

Brand: ThiEYE

Introduction

Thank you for choosing the ThiEYE Carview2 Dash Cam Mirror. This device is designed to enhance your driving safety and provide reliable video evidence in case of incidents. Featuring a 10-inch IPS touchscreen, dual cameras (front 1080P, rear 720P), 170° wide-angle view, G-Sensor, loop recording, and parking monitoring, the Carview2 offers comprehensive surveillance for your vehicle. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your dash cam.

Product Overview

Package Contents

The ThiEYE Carview2 package includes all necessary components for installation and immediate use:

- 1 * ThiEYE Dash Cam Mirror
- 1 * Rear Camera
- 1 * 32GB SD Card
- 1 * 8m Rear Camera Cable
- 1 * Card Reader
- 4 * Mounting Straps
- 1 * Installation Tool (Lever Tool)
- 1 * Car Charger with additional USB port
- 1 * User Manual



Figure 1: ThiEYE Carview2 Dash Cam Mirror and its complete package contents, including the main mirror unit, rear camera, cables, mounting straps, SD card, card reader, installation tool, and car charger.

Device Layout

Familiarize yourself with the various ports and components of the ThiEYE Carview2 Dash Cam Mirror:



Figure 2: Detailed diagram illustrating the layout of the ThiEYE Carview2 Dash Cam Mirror, highlighting the 170° wide-angle front lens, speaker, fixed hook with rear clip, reset button, Mini USB port, rear camera port, Micro SD slot, and power button. Dimensions are also indicated.

- **Front Lens:** 170° wide-angle lens for recording the road ahead.
- **Speaker:** For audio playback and system sounds.
- **Fixed Hook with Rear Clip:** For securing the dash cam to the rearview mirror.
- **Reset Button:** To reset the device if needed.
- **Mini USB Port:** For power input.
- **Rear Camera Port:** For connecting the rear camera.
- **Micro SD Slot:** For inserting the memory card (supports up to 64GB, Class 10 recommended).
- **Power Button:** To turn the device on/off and control the screen.

Setup

Before Installation

- **Format SD Card:** Before first use, it is highly recommended to format the included 32GB Micro SD card directly on

the dash cam. Do not format it on a computer, as this may cause compatibility issues.

- **Power Connection:** The internal battery is primarily for emergency file backup. The dash cam requires continuous power from the car charger during operation. Always connect it to the car charger while driving.

Installation Steps

1. **Mount the Dash Cam:** Securely attach the ThiEYE Carview2 Dash Cam Mirror over your existing rearview mirror using the four provided rubber mounting straps. Ensure it is firmly in place and does not obstruct your view.
2. **Install the Rear Camera:**
    - Choose a suitable location for the rear camera, typically above the license plate or on the rear windshield. The camera is IP68 waterproof.
    - Connect the rear camera to the main dash cam unit using the 8-meter rear camera cable.
    - Route the cable neatly along the vehicle's interior trim using the provided installation tool to hide it.
    - For reverse assist functionality, connect the red wire from the rear camera cable to your vehicle's reverse light power supply. This is optional but recommended for automatic display of the reverse view when shifting into reverse.
3. **Connect Power:** Plug the car charger into your vehicle's 12V power outlet (cigarette lighter socket) and connect the Mini USB end to the dash cam.
4. **Insert SD Card:** Insert the formatted 32GB Micro SD card into the designated slot on the dash cam.
5. **Initial Power On:** Start your vehicle. The dash cam should power on automatically and begin recording.

Operating Instructions

Power On/Off

- **Automatic:** The dash cam will automatically power on and start recording when your vehicle's ignition is turned on (and power is supplied to the 12V outlet). It will power off automatically when the ignition is turned off.
- **Manual:** Press and hold the Power Button on the bottom of the unit to manually turn the device on or off. A short press of the power button will turn the screen on/off while recording continues in the background.

Basic Recording

Once powered on, the dash cam will automatically begin continuous loop recording. The front camera records in 1080P Full HD, and the rear camera records in 720P HD.

Screen Modes

The 10-inch IPS touchscreen allows for various display modes:



Figure 3: The ThiEYE Carview2 offers three screen display modes: Split Screen (showing both front and rear views simultaneously), Front View (displaying only the front camera feed), and Rearview Mirror (functioning as a digital rearview mirror).

- **Split Screen:** Displays both front and rear camera views simultaneously.
- **Front View:** Shows only the front camera's feed.
- **Rearview Mirror:** Functions as a digital rearview mirror, displaying the rear camera's feed.
- **Adjusting Field of View:** Swipe up or down on the touchscreen to quickly adjust the field of view for either the front or rear camera.

G-Sensor and Emergency Recording

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 footage is preserved.



Figure 4: Illustration of the G-Sensor functionality, which automatically locks and protects video recordings when a collision or sudden impact is detected, ensuring important footage is not lost.

Loop Recording

The dash cam records video in continuous loops (e.g., 1, 3, or 5-minute segments). When the memory card is full, the oldest unlocked video segments are automatically overwritten to make space for new recordings. This ensures continuous recording without manual intervention.



Figure 5: Visual representation of loop recording, where the dash cam continuously records and automatically overwrites the oldest video files when the memory card reaches its capacity, ensuring uninterrupted recording.

Parking Monitor

When the vehicle is parked and the dash cam is connected to a continuous power source (or using its internal battery for short periods), the parking monitor feature can detect impacts. If an impact is detected, the dash cam will automatically power on, record a short video, and then power off, providing surveillance even when you're away from your vehicle.

Reverse Assist System

If the rear camera's red wire is connected to the reverse light, the dash cam will automatically display the rear camera view with parking guidelines on the screen when the vehicle is put into reverse. This assists with safe parking maneuvers.



Figure 6: Display of the reverse assist system, showing the rear camera's view with dynamic parking guidelines overlaid on the screen, aiding in precise and safe parking.

Menu Settings

Access the menu by tapping the screen. You can adjust various settings to customize your dash cam experience:



Figure 7: Icons representing key features of the ThiEYE Carview2, including Loop Recording, Super Night Mode, Intelligent LCD Brightness, LCD Screensaver, WDR (Wide Dynamic Range), G-Sensor, Rearview Mirror function, and 24-hour Parking Monitoring.

- **Video Resolution:** Set front camera to 1080P and rear camera to 720P.
- **Loop Recording Duration:** Adjust the length of video segments (e.g., 1, 3, 5 minutes).
- **G-Sensor Sensitivity:** Adjust the sensitivity of the G-Sensor (Low, Medium, High).
- **Parking Monitor:** Enable or disable this feature.
- **WDR (Wide Dynamic Range):** Improves video quality in varying light conditions.
- **Super Night Mode:** Enhances low-light recording performance.



Figure 8: Comparison demonstrating the enhanced clarity and detail provided by the 1080P lens with Super Night Mode, showing superior image quality in low-light conditions compared to standard recording.

- **Date/Time Stamp:** Enable or disable the display of date and time on recordings.
- **Language:** Select your preferred language.
- **Format SD Card:** Option to format the memory card.

Maintenance

- **Regular SD Card Formatting:** To maintain optimal recording performance and prevent data corruption, it is recommended to format the Micro SD card once a month. Back up any important files before formatting.
- **Clean Lenses and Screen:** Use a soft, lint-free cloth to gently clean the front and rear camera lenses and the touchscreen. Avoid abrasive materials or harsh chemicals.
- **Check Connections:** Periodically ensure all cables (power, rear camera) are securely connected to prevent interruptions in recording.
- **Firmware Updates:** Check the official ThiEYE website for any available firmware updates to ensure your device has the latest features and bug fixes.

Troubleshooting

If you encounter issues with your ThiEYE Carview2, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Dash cam does not power on.	Ensure the car charger is properly connected to both the dash cam and the vehicle's 12V outlet. Check if the vehicle's 12V outlet is functioning (e.g., by plugging in another device). The internal battery is for emergency backup; continuous power is required for operation.
Recording stops or freezes.	Format the Micro SD card on the dash cam. Ensure the SD card is Class 10 or higher and not exceeding 64GB. The SD card may be full of locked files (from G-Sensor events). Delete unnecessary locked files or format the card.
Rear camera not displaying.	Check the connection of the rear camera cable to the main unit. Ensure the rear camera cable is not damaged.
Poor video quality.	Clean the camera lenses. Ensure the protective film has been removed from the lenses. Adjust WDR settings for better performance in varying light.
Dash cam reboots randomly.	Ensure a stable power supply from the car charger. Format the SD card. Reset the device using the reset button.

Specifications

Feature	Detail
Model Name	ThiEYE Carview2
Screen Size	10 Inches IPS Touchscreen
Front Camera Resolution	1080P Full HD
Rear Camera Resolution	720P HD
Viewing Angle	170 Degrees (Front & Rear)
Storage	Micro SD Card, up to 64GB (Class 10 recommended)
Special Features	G-Sensor, Loop Recording, Parking Monitor, WDR, Super Night Mode, Reverse Assist System
Connectivity	USB
Power Source	Car Charger (12V)

Feature	Detail
Battery	Lithium Ion (for emergency backup)
Dimensions	Approx. 30.1 x 11.9 x 7.7 cm
Weight	Approx. 700 g

Warranty and Support

ThiEYE is committed to providing excellent customer service. For any inquiries, technical support, or warranty claims, please do not hesitate to contact us.

Customer Support Email: thieye.it@thieye.com

We aim to provide a friendly and prompt response within 24 hours.

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