

EACHPAI E100 Pro

EACHPAI E100 Pro Dash Camera User Manual

Model: E100 Pro

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EACHPAI E100 Pro Dash Camera. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your user experience. Keep this manual for future reference.

2. PRODUCT OVERVIEW

2.1 Package Contents

- EACHPAI E100 Pro Dash Camera (Front Unit)
- Rear Camera (if included in your package)
- Suction Mount
- Wi-Fi Antenna
- GPS Logger
- Power Cable
- Adhesive Sticker

2.2 Key Features

- **4K UHD Front Camera:** Records high-resolution video for clear details.
- **FHD 1080P Rear Camera:** Captures footage from the rear of your vehicle.
- **Built-in Wi-Fi:** Connects to the EACHPAI app for real-time viewing, saving, and sharing.
- **GPS Functionality:** Records driving track, speed, and location data.
- **G-Sensor:** Automatically detects sudden shakes or collisions and locks the current recording to prevent overwriting.
- **Loop Recording:** Records video in segments (2/3/5 minutes). When the memory card is full, the oldest

footage is automatically overwritten.

- **Parking Monitor:** Provides surveillance when the vehicle is parked (requires optional hardwire kit).
- **Motion Detection:** Automatically starts recording for 10 seconds when motion is detected in front of the dash cam.
- **WDR (Wide Dynamic Range):** Enhances video quality in varying light conditions.
- **Super Night Vision:** Improves clarity in low-light environments.
- **170° Wide Angle Lens:** Provides a broad view of the road.



Figure 2.1: EACHPAI E100 Pro Dash Camera and included components (GPS logger, suction cup, adhesive sticker). The front camera measures approximately 3.1 inches in height and 3.3 inches in width.

FRONT CAMERA SUPER NIGHT VISION



Built-in wifi



4K LENS



**BUILT-IN WIFI WITH
FREE EACHPAI APP**



Real-time view, save, share and playback video footage
For social communication fun
For insurance purposes



Figure 2.2: Front camera features super night vision, a 4K lens, and built-in Wi-Fi for connection to the EACHPAI app, allowing real-time view, saving, and playback of video footage.

3. SETUP

3.1 MicroSD Card Installation

Before first use, insert a high-speed (Class 10 or higher) MicroSD card into the dash camera. **ASamsung 128GB Pro Endurance microSD** is recommended for optimal performance due to constant read/write cycles. Format the card within the camera settings after insertion.

3.2 Mounting the Dash Camera

1. Clean the windshield area where the dash camera will be mounted.
2. Attach the suction mount to the front unit.
3. Securely attach the suction mount to the windshield, ensuring it does not obstruct your view.

4. Adjust the camera angle to capture the road ahead clearly.

3.3 Rear Camera Installation (Optional)

If your package includes a rear camera, connect it to the main unit using the provided cable. Mount the rear camera on the rear windshield, ensuring a clear view. Route the cable neatly to avoid interference with vehicle operation.

3.4 Power Connection

Connect the power cable to the dash camera and plug the other end into your vehicle's 12V power outlet (cigarette lighter socket). The camera will typically power on and begin recording automatically when the vehicle starts.

3.5 GPS Logger Connection

Connect the GPS logger to the designated port on the dash camera. Position the GPS logger on the dashboard or windshield where it has a clear view of the sky for optimal signal reception.



Figure 3.1: Recommended installation for the front and rear dash cameras, showing cable routing.

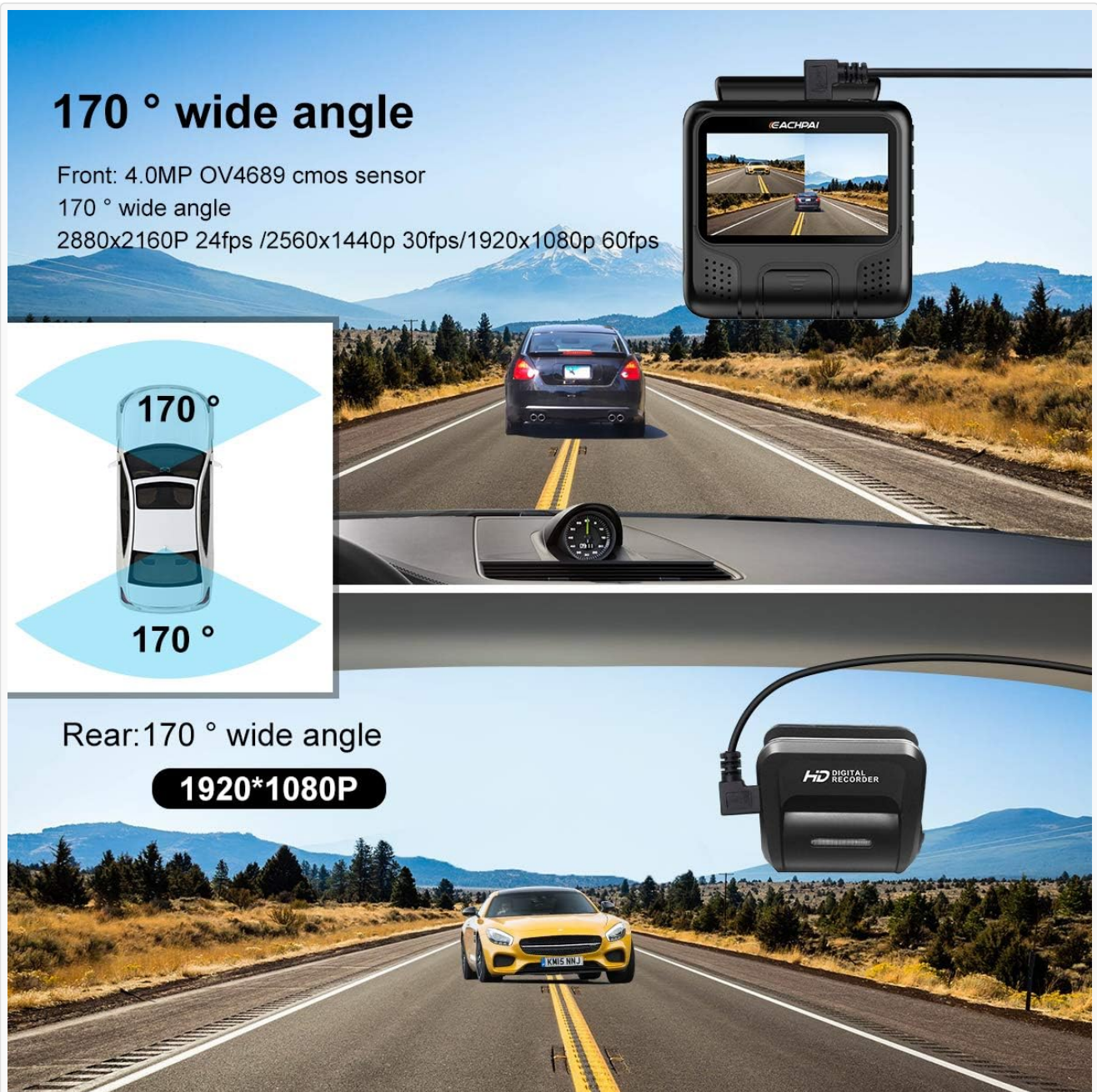


Figure 3.2: The dash camera provides a 170-degree wide-angle view for both the front (4.0MP OV4689 CMOS sensor, 2880x2160P 24fps / 2560x1440p 30fps / 1920x1080p 60fps) and rear (1920x1080P) cameras.

4. OPERATING INSTRUCTIONS

4.1 Basic Recording

Once powered on, the dash camera will automatically begin loop recording. Video files are saved in segments (e.g., 2, 3, or 5 minutes). When the MicroSD card is full, the oldest unlocked files will be overwritten by new recordings.

4.2 G-Sensor Functionality

The built-in G-Sensor detects sudden impacts or rapid acceleration/deceleration. When triggered, it automatically locks the current video segment, preventing it from being overwritten during loop recording. These locked files are stored in a separate folder on the MicroSD card.

4.3 Parking Monitor

To enable 24-hour parking monitoring, an optional hardwire kit (sold separately) is required to connect the dash camera directly to your car's battery. With the hardwire kit, the camera can continue to monitor and record events even when the vehicle is turned off.

4.4 Motion Detection

When motion detection is enabled, the dash camera will automatically turn on and record a 10-second video clip if it detects movement in front of the camera while the vehicle is parked.

4.5 Time-lapse Recording

Time-lapse recording captures still images at set intervals and stitches them together into a video, creating a fast-motion effect. This feature is suitable for capturing long periods of activity in a condensed format.



Loop Recording
Record in segment , the time periods for loop record is 2/3/5mins , when card is full, newest footage will auto overwrite the oldest footage

Time-lapse Recording
Time-lapse recording can turn a long video of slow motion into a short video of fast motion, which can use for leisure or fun, not suggested for normal use.

G-Sensor
Auto detect a sudden shake/collision or emergency and lock the important footage to be overwritten

Figure 4.1: Explanation of Loop Recording (records in segments, overwrites oldest footage), Time-lapse Recording (condenses long periods into short videos), and G-Sensor (auto-detects collisions and locks footage).

Motion detection

Dash cam automatically turn on and start a 10 seconds recording when object moves in front of the dash cam



24 Hours Parking Guard

You can buy a hardwire kit and connect it to car battery when parked off 24-hours protect your car



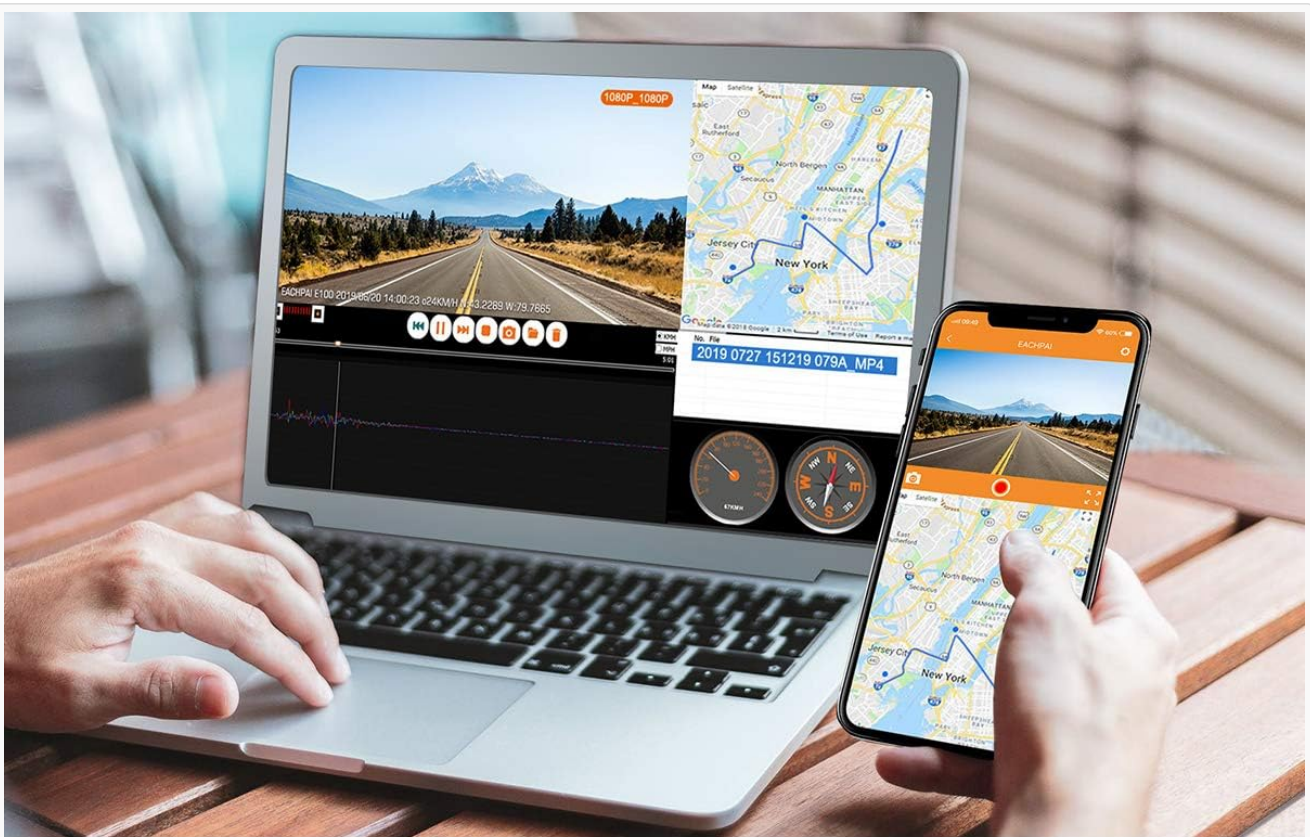
Figure 4.2: Motion detection automatically records for 10 seconds when movement is detected. The 24-hour parking guard feature requires a hardwire kit to protect your car when parked.

4.6 Wi-Fi and App Connection

1. Download the EACHPAI app from your smartphone's app store.
2. Enable Wi-Fi on your dash camera through its settings menu.
3. Connect your smartphone to the dash camera's Wi-Fi network (SSID and password typically displayed on the camera screen).
4. Open the EACHPAI app to view live footage, access recorded videos, and adjust settings.

4.7 GPS Data Viewing

The GPS logger records driving track, speed, and other data. This information can be viewed on a computer or smartphone using dedicated player software. A player download link is often provided by the manufacturer (e.g., <http://www.sz-zxs.com/article.php?id=36>).



GPS LOGGER PROVIDED

We provided GPS logger (separated)
It can help to record driving track, speed, data,
with WIFI and EACHPAI
All data can be read from computer or phone

Player download link:

<http://www.sz-zxs.com/article.php?id=36>



Figure 4.3: The GPS logger records driving track, speed, and data, which can be reviewed on a computer or phone using the provided player software.

5. MAINTENANCE

5.1 MicroSD Card Management

Regularly format your MicroSD card (at least once a month) within the camera settings to ensure optimal performance and prevent data corruption. Replace the MicroSD card periodically, as constant read/write cycles can degrade its lifespan.

5.2 Cleaning

Use a soft, dry cloth to clean the camera lens and screen. Avoid using abrasive cleaners or solvents that could damage the device. Ensure the camera is powered off before cleaning.

5.3 Temperature Considerations

The EACHPAI E100 Pro is designed to withstand high temperatures. However, prolonged exposure to extreme heat (e.g., direct sunlight in a parked car during summer) can affect battery life and overall performance. If possible, remove the dash cam or park in shaded areas during extreme heat.



Figure 5.1: The dash camera is designed to operate reliably in high-temperature environments.

6. TROUBLESHOOTING

- **Camera not powering on:** Ensure the power cable is securely connected to both the camera and the vehicle's power outlet. Check the vehicle's power outlet for functionality.
- **Camera not recording:** Verify that a MicroSD card is inserted and properly formatted. Check if the card is full; if so, format it or replace it. Ensure loop recording is enabled.
- **Parking Monitor not working when car is off:** The parking monitor feature requires a separate hardwire kit to provide continuous power from the car battery. Without this kit, the camera will only record when the car's ignition is on.
- **Unresponsive buttons or screen:** Try resetting the device using a paperclip in the reset hole (if available). If the issue persists, reformat the MicroSD card.
- **Wi-Fi connection issues:** Ensure Wi-Fi is enabled on the camera and your smartphone. Confirm you are connecting to the correct Wi-Fi network provided by the dash camera. Try restarting both the camera and your phone.
- **Poor video quality:** Clean the camera lens. Ensure the protective film has been removed from the lens. Check camera settings for resolution and WDR options.
- **GPS not acquiring signal:** Ensure the GPS logger is connected and placed in an area with a clear view of the sky, away from obstructions.

7. SPECIFICATIONS

Feature	Specification
Brand	EACHPAI

Model Name	E100 Pro
Connectivity Technology	Wi-Fi
Video Capture Resolution	Front: 4K (2880x2160P 24fps / 2560x1440p 30fps / 1920x1080p 60fps), Rear: 1080p
Included Components	Suction Mount, Wi-Fi Antenna, GPS Logger
Mounting Type	Suction Mount
Control Method	Touch
Item Weight	0.25 Pounds
Screen Size	3 Inches
Optical Sensor Technology	CMOS (OV4689 for Front)
Flash Memory Type	SD (MicroSD, Class 10 or higher recommended)
Battery Cell Type	Lithium
Frame Rate	30 FPS (up to 60 FPS for 1080p front)
Real Angle of View	170 Degrees
UPC	797550572643

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact EACHPAI customer service directly. Contact details can typically be found on the manufacturer's official website or through your retailer.