COOAU D20

COOAU D20 Dash Cam User Manual

Dual 2.5K+1080P Front and Inside Dash Camera with GPS, WiFi, and Parking Monitor

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your COOAU D20 Dash Cam. The D20 dash camera is designed to capture high-quality video footage both in front of and inside your vehicle, offering enhanced security and evidence recording. Please read this manual thoroughly before using the product to ensure proper function and safety.

Image 1: COOAU D20 Dash Cam with various mounting options and a smartphone showing the companion app.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- COOAU D20 Dash Cam
- 256GB Memory Card (pre-installed)
- Suction Cup Mount
- 3M Adhesive Mount
- Power Cable (Car Charger)
- User Manual

3. PRODUCT OVERVIEW

The COOAU D20 Dash Cam features a compact design with dual lenses for comprehensive coverage. It integrates advanced technologies such as GPS, WiFi, and infrared night vision to provide a reliable recording solution for your vehicle.
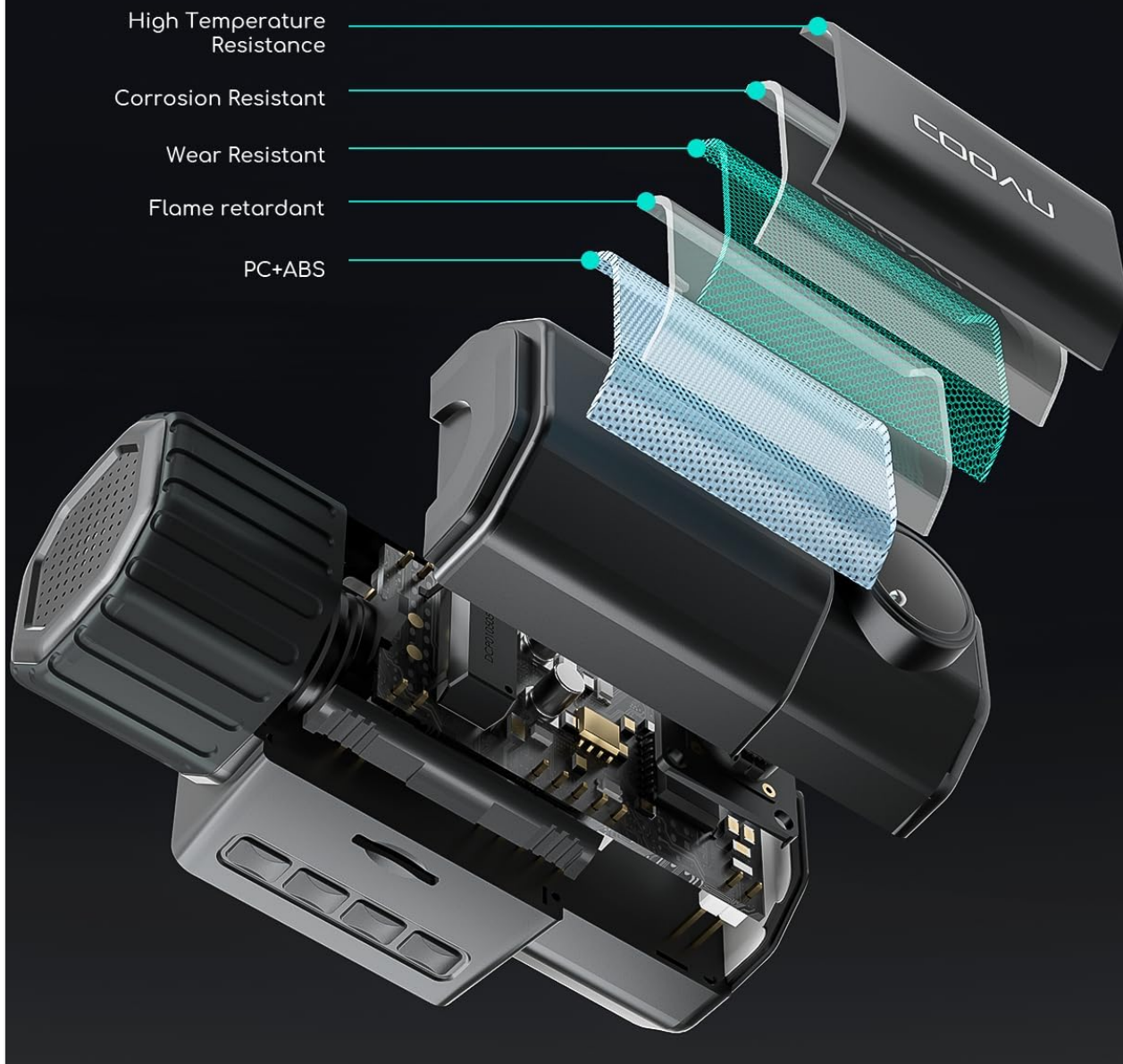

Image 2: Exploded view illustrating the high-quality materials used in the D20 Dash Cam's construction, including high temperature resistance, corrosion resistance, wear resistance, and flame retardant PC+ABS shell.

4. SETUP AND INSTALLATION

The D20 Dash Cam offers two primary installation methods: the suction cup mount for flexible placement and the 3M adhesive mount for a more permanent fixture.

4.1 Suction Cup Mount Installation

1. **Clean the Windshield:** Ensure the area on your windshield where you intend to mount the dash cam is clean and dry.

2. **Attach the Mount:** Press the suction cup firmly against the windshield and engage the lock lever to secure it.

3. **Attach the Dash Cam:** Slide the dash cam onto the mount until it clicks into place.

4. **Adjust and Test:** Adjust the camera angle for optimal viewing and ensure it is stable.

Installation of the Suction Mount

Step 1 — Clean the Windshield
Step 2 — Attach the Mount
Step 3 — Attach the Dash Cam
Step 4 — Adjust and Test

4.2 3M Adhesive Mount Installation

For a more permanent installation, use the 3M adhesive mount. Clean the surface thoroughly before applying the adhesive. Once applied, press firmly for several seconds to ensure a strong bond. Allow the adhesive to cure for at least 24 hours before attaching the dash cam.

Image 4: Illustrates the two distinct installation options: the suction cup mount and the 3M adhesive mount, highlighting their attachment mechanisms.

4.3 Power Connection

Connect the provided car charger to your vehicle's 12V power outlet and then to the dash cam. The dash cam will typically power on automatically when the vehicle starts and power off when the engine is turned off.

5. OPERATING INSTRUCTIONS

5.1 Dual Recording (Front and Interior)

The D20 Dash Cam simultaneously records the road ahead in 2.5K (2560 x 1440P) at 30fps with a 170° wide-angle lens, and the vehicle's interior in 1080P with a 150° wide-angle lens. This dual recording capability ensures comprehensive coverage.

Image 5: Visual representation of the dual recording capability, showing a clear 2.5K front view (170° angle)

and a 1080P interior view (150° angle).

5.2 Built-in GPS and WiFi

The dash cam features built-in GPS to record your driving speed (KM/H or MPH), route, and location, providing crucial data in case of an incident. The integrated WiFi allows you to connect the dash cam to the COOAU Dash App on your smartphone. Through the app, you can view live footage, record, download, and share recordings without needing to remove the memory card.

Image 6: Smartphone screens demonstrating the COOAU Dash App's functionality, including GPS tracking on a map and browsing recorded video files.

5.3 Loop Recording

The D20 Dash Cam supports seamless loop recording. When the 256GB memory card is full, the system automatically overwrites the oldest unlocked files with new recordings. This ensures continuous recording without manual intervention.
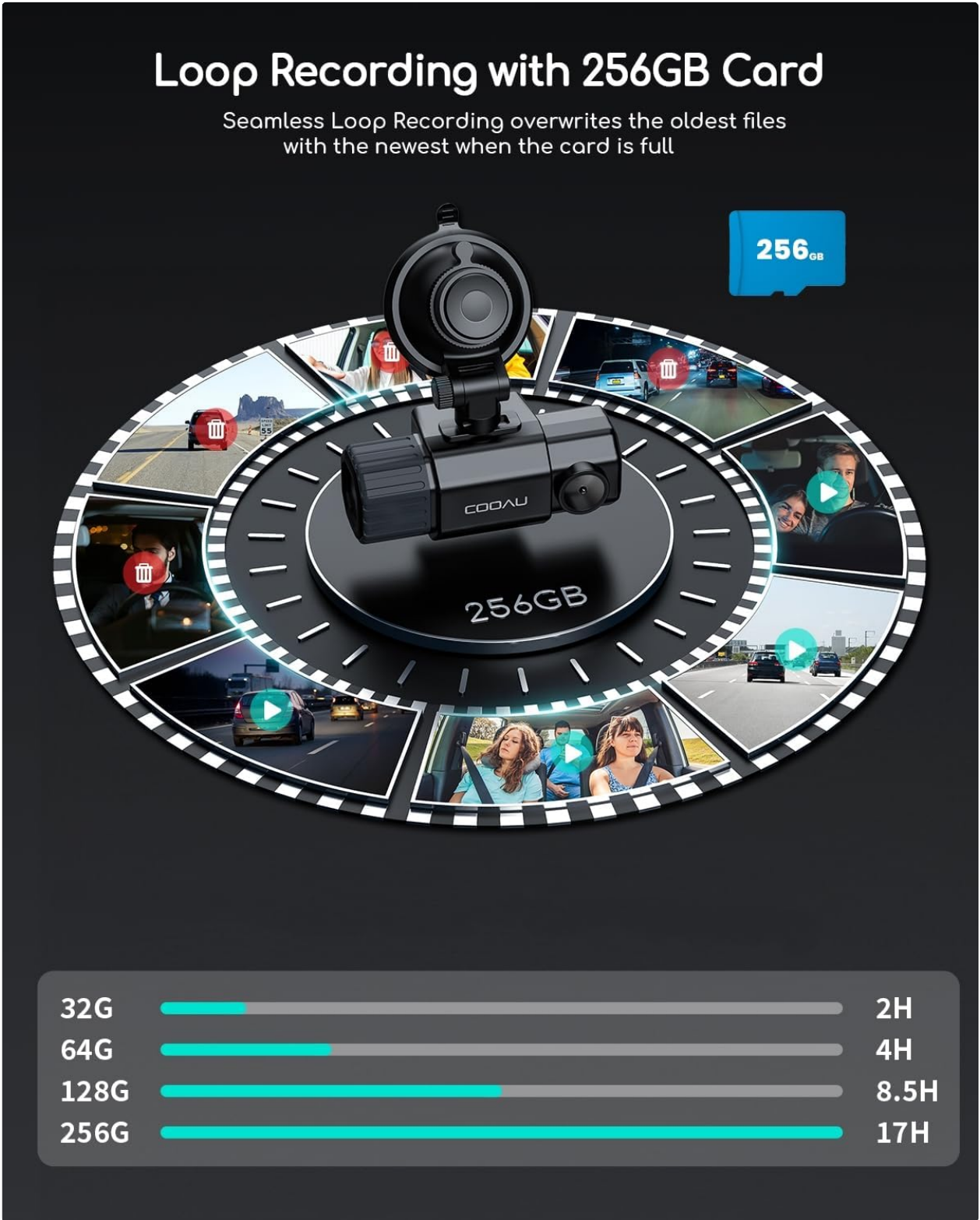

Image 7: Diagram showing the loop recording process, where older files are overwritten as the 256GB card fills up, along with estimated recording times for different card sizes.

5.4 Parking Monitoring

The 24-hour parking monitor feature provides surveillance even when your vehicle is parked. It includes:

- **Collision Lock:** Automatically records and locks footage upon detecting an impact.
- **Motion Detection:** Records when motion is detected around the vehicle.

- **Time-Lapse:** Records continuously at a low frame rate to save storage space.

Note: A hardwire kit (sold separately) is required to enable the 24-hour parking monitoring features.

Image 8: Visual explanation of collision detection during driving and the 24/7 parking monitoring features, including collision lock, motion detection, and time-lapse, noting the requirement for a hardwire kit.

5.5 IR Night Vision

Equipped with F/1.8 apertures, EV adjustment, and WDR (Wide Dynamic Range) technology, the D20 Dash Cam provides clear video recording in low-light conditions, enhancing visibility and safety during nighttime driving.

Image 9: Depicts the Super Night Vision capability of the dash cam, showing a clear view of a city street at night, supported by F/1.8 Apertures, EV adjustment, and WDR Technology.

5.6 G-Sensor

The built-in G-Sensor detects sudden movements or impacts and automatically locks the current video footage to prevent it from being overwritten by loop recording. This ensures critical event footage is preserved.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camera lenses and body. Avoid using abrasive cleaners or solvents.

- **Memory Card:** Periodically format the memory card (at least once a month) to maintain optimal performance and prevent data corruption. Back up any important files before formatting.
- **Firmware Updates:** Check the COOAU official website or app for any available firmware updates to ensure your dash cam has the latest features and improvements.
- **Temperature:** Avoid exposing the dash cam to extreme temperatures for extended periods, as this can affect battery life and component integrity.

7. TROUBLESHOOTING

- **Dash Cam Not Powering On:** Ensure the power cable is securely connected to both the dash cam and the car's power outlet. Check if the car's power outlet is functioning.
- **Recording Issues:** Format the memory card. Ensure the memory card is inserted correctly. Try a different compatible memory card if issues persist.
- **Poor Video Quality:** Clean the camera lenses. Ensure the protective film has been removed from the lenses. Adjust exposure settings if necessary.
- **WiFi Connection Problems:** Ensure the dash cam's WiFi is enabled. Restart both the dash cam and your smartphone. Ensure you are within range of the dash cam's WiFi signal.
- **GPS Not Working:** Ensure the dash cam has a clear view of the sky for GPS signal acquisition. It may take a few minutes for the GPS to lock onto satellites.

8. SPECIFICATIONS

Feature	Specification
Model	D20
Front Camera Resolution	2.5K (2560 x 1440P) @ 30fps
Front Camera Viewing Angle	170°
Interior Camera Resolution	1080P @ 30fps
Interior Camera Viewing Angle	150°
Memory Card Support	Up to 256GB (256GB card included)
GPS	Built-in
WiFi	Built-in
Night Vision	IR Night Vision, F/1.8 Apertures, WDR
Parking Monitor	Collision Lock, Motion Detection, Time-Lapse (requires hardwire kit)
G-Sensor	Yes
Loop Recording	Yes

9. WARRANTY AND SUPPORT

COOAU offers professional and efficient customer service for the D20 Dash Cam. This includes:

- Prompt email replies within 24 hours.
- Worry-free returns within 30 days.
- 2-year warranty.
- Lifetime technical support.

For technical assistance or warranty claims, please contact COOAU customer service through their official website or the contact information provided with your product packaging.

Related Documents - D20

[COOAU D50 Driving Recorder: User Manual for Enhanced Vehicle Safety](#)
This user manual provides comprehensive instructions for the COOAU D50 Driving Recorder, detailing its features, setup, operation, and troubleshooting. Learn how to maximize your vehicle's safety and recording capabilities with this guide.

[COOAU M53 Dash Cam User Manual: Installation, Features, and Operation](#)
Comprehensive user manual for the COOAU M53 Dash Cam. Learn about installation, features like WDR and G-Sensor, menu settings, recording modes, and troubleshooting. Get the most out of your COOAU dash camera.

[COOAU D30 Dual Dash Cam: Official User Manual & Setup Guide](#)
Download the official user manual for the COOAU D30 Dual Dash Cam. Get detailed instructions on setup, operation, features, specifications, and troubleshooting for your car camera.

[COOAU D30 Dual Dash Cam User Manual](#)
User manual for the COOAU D30 Dual Dash Cam, detailing installation, operation, features, specifications, and support for optimal use.

	COOAU ZS-GQ1 Battery Security Camera User Manual
ZS-GQ1 Battery Security Camera	Comprehensive guide to the COOAU ZS-GQ1 Battery Security Camera, covering installation, app setup, features, troubleshooting, and battery management. Learn how to set up and use your smart security camera effectively.
DC 201 PTZ 監視カメラ	**COOAU DC 201 PTZ Security Camera User Manual** This manual provides comprehensive instructions for the COOAU DC 201 PTZ Security Camera, covering setup, features, troubleshooting, and after-sales service. Learn how to install, connect, and operate your camera for optimal security.