

ddpai Z90 Master

DDPAI Z90 Master 4K Front and Rear Dashcam User Manual

Model: Z90 Master

1. INTRODUCTION

Thank you for choosing the DDPAI Z90 Master Dashcam. This device is designed to enhance your driving safety and provide reliable video evidence with its advanced dual 4K recording capabilities. This manual will guide you through the installation, operation, and maintenance of your dashcam to ensure optimal performance.

2. SAFETY INFORMATION

- **Installation:** Ensure the dashcam is installed in a location that does not obstruct the driver's view or interfere with vehicle safety features.
- **Power Supply:** Use only the original power cable and car charger provided with the device. Using unauthorized accessories may cause damage or fire.
- **Temperature:** The dashcam is designed to operate within a temperature range of -20°C to 70°C. Avoid exposing the device to extreme temperatures outside this range.
- **Cleaning:** Do not use chemical cleaners or solvents to clean the dashcam. Use a soft, dry cloth.
- **Disassembly:** Do not attempt to disassemble or modify the dashcam. This will void the warranty and may cause damage.
- **Legal Compliance:** Always comply with local laws and regulations regarding dashcam usage and video recording.

3. PACKAGE CONTENTS

Please check the package for the following items:

- DDPAI Z90 Master Front Dashcam
- Rear Camera
- Car Charger

- Power Cable
- Rear Camera Connection Cable
- Mounting Bracket
- CPL Filter
- Quick Guide

4. PRODUCT OVERVIEW

The DDPAI Z90 Master Dashcam features a 3-inch IPS screen and advanced recording technologies to capture clear footage in various conditions.



Image 1: DDPAI Z90 Master Front Dashcam unit.

Key Features:

- **Dual 4K+4K Ultra HD Recording:** Simultaneous front and rear recording at 4K resolution, ensuring clear license plate readability.
- **Dual STARVIS 2 HDR:** Optimizes light dynamics for superior image quality in varying light conditions.
- **3K/60FPS High-Speed Mode:** Provides smooth, clear recordings at high speeds, ideal for highway

driving (HDR not supported in this mode).

- **Original CPL Filter:** Reduces road glare and reflections for improved video clarity.
- **Enhanced Night Vision:** Dual STARVIS 2 technology ensures clear details in low-light environments.
- **24-Hour Parking Monitoring:** Provides continuous surveillance when the vehicle is parked (requires optional hardware kit, sold separately).
- **Integrated 128GB eMMC Storage:** Offers stable and reliable internal storage, expandable up to 512GB via MicroSD card.
- **Built-in GPS:** Records real-time location, trajectory, and speed data.
- **ADAS (Advanced Driver-Assistance System):** Proactively warns against driver fatigue and sudden vehicle braking.
- **Supercapacitor:** Replaces traditional lithium batteries for enhanced safety and durability, withstanding temperatures from -20°C to 70°C.
- **Connectivity:** WiFi + Bluetooth for quick video transfer, with optional 4G LTE support.

5. SETUP

5.1 Front Camera Installation

1. Clean the windshield area where the dashcam will be mounted.
2. Attach the mounting bracket to the front dashcam.
3. Remove the protective film from the adhesive pad on the bracket and firmly press it onto the windshield, ensuring it does not obstruct your view.
4. Adjust the camera angle to capture the road ahead.

Built to Last



Image 2: Front view of the DDPAI Z90 Master Dashcam.

5.2 Rear Camera Installation

1. Identify a suitable location on your rear windshield for the rear camera, ensuring a clear view.
2. Clean the installation area.
3. Attach the rear camera using its adhesive pad.
4. Connect the rear camera to the front dashcam using the provided rear camera connection cable. Route the cable neatly along the vehicle's interior trim.

Ultra High Speed

Read Speed Up to

100 MB/s

Write Speed Up to

85 MB/s



Image 3: DDPAI Z90 Master Dashcam with connected rear camera.

5.3 Power Connection

1. Connect the car charger to your vehicle's cigarette lighter socket.
2. Connect the power cable from the car charger to the front dashcam's power input port.
3. Route the power cable neatly to avoid interference with driving.
4. The dashcam will power on automatically when the vehicle's ignition is turned on.

5.4 CPL Filter Attachment

1. Gently attach the CPL filter to the front lens of the dashcam.
2. Rotate the filter to minimize reflections and glare from the dashboard and windshield.

Strong Compatibility

Perfect for dash cams, cameras, laptops, phones, drones, etc.



Image 4: DDPAI Z90 Master Dashcam with CPL filter attached.

5.5 App Connection

1. Download the DDPAI app from your smartphone's app store.
2. Enable Bluetooth and Wi-Fi on your smartphone.
3. Open the DDPAI app and follow the on-screen instructions to connect to your Z90 Master dashcam via Wi-Fi and Bluetooth.

6. OPERATING INSTRUCTIONS

6.1 Basic Recording

Once powered on, the dashcam will automatically begin loop recording. Older files will be overwritten by new recordings when the storage is full, except for locked emergency videos.

6.2 G-Sensor (Emergency Recording)

The built-in G-sensor detects sudden impacts or collisions. In such events, the current video segment will be automatically locked and saved to a separate folder, preventing it from being overwritten by loop recording.

6.3 High-Speed Mode (3K/60FPS)

To activate the 3K/60FPS high-speed recording mode, access the settings via the DDPAI app. This mode provides smoother video capture for high-speed driving scenarios. Note that HDR is not supported in this mode.

6.4 Parking Monitoring (Optional)

For 24-hour parking monitoring, a dedicated hardwire kit (ASIN: B0DP639X2D, B0DP6464P3) is required and sold separately. Once installed, the dashcam can monitor your vehicle for impacts or motion even when parked, saving footage to protect your car.

6.5 GPS and ADAS Functions

The integrated GPS module records your vehicle's location, speed, and driving trajectory. The ADAS system provides proactive warnings for driver fatigue and sudden braking, enhancing road safety. These features can be configured and monitored via the DDPAI app.

6.6 App Control and Video Management

Use the DDPAI app to:

- View live footage from both cameras.
- Access and download recorded videos to your smartphone.
- Adjust dashcam settings (resolution, G-sensor sensitivity, parking mode, etc.).
- Update firmware.

7. MAINTENANCE

7.1 Storage Management

The Z90 Master comes with 128GB eMMC internal storage. If you use an optional MicroSD card (up to 512GB), ensure it is a high-endurance card suitable for dashcam use. Periodically review and delete unnecessary footage to free up space, especially if loop recording is not enabled or if many emergency videos are locked.

7.2 Cleaning

Wipe the dashcam lens and screen with a soft, lint-free cloth. Do not use abrasive materials or cleaning solutions that could damage the lens coating or screen.

7.3 Firmware Updates

Regularly check for firmware updates via the DDPAI app to ensure your dashcam has the latest features and performance improvements.

8. TROUBLESHOOTING

- **Dashcam not powering on:** Check the power cable connection and ensure the car charger is properly inserted into the cigarette lighter socket. Verify the vehicle's ignition is on.
- **Recording issues:** Ensure there is sufficient storage space. If using a MicroSD card, ensure it is properly inserted and formatted. Check for any error messages on the screen or in the app.
- **Poor video quality:** Clean the camera lenses. Ensure the CPL filter is correctly adjusted. Check settings in the app to confirm desired resolution.
- **App connection problems:** Ensure Wi-Fi and Bluetooth are enabled on your smartphone. Restart both

the dashcam and your phone. Try reconnecting through the DDPAI app.

- **GPS not working:** Ensure the dashcam has a clear view of the sky. GPS signal acquisition may take a few minutes, especially after initial setup or if the vehicle has been parked for a long time.
- **Parking monitoring not active:** Confirm that the optional hardwire kit is correctly installed and connected. Check parking monitoring settings in the app.

9. SPECIFICATIONS

Brand	ddpai
Model Name	DDPAI Z90 Master Dashcam Auto
Vehicle Service Type	Car
Special Features	Voice Control, 24-hour Parking Monitoring, App Control, Loop Recording, G-sensor, Integrated GPS, Night Vision, ADAS, Integrated 5G/6 Wi-Fi, 3-inch IPS Screen, Integrated 128GB eMMC Memory
Video Recording Resolution	2160p (4K)
Included Components	Quick Guide
Mounting Type	Windshield Mount
Color	Black
Control Method	Application
Product Dimensions (L x W x H)	15P x 23l x 5.5H centimeters
Compatible Vehicle Type	Car
Screen Capture Resolution	2160p
Screen Size	3 Inches
Flash Memory Type	microSDXC
Optical Sensor Size	Large

Automotive Part Position	Front Part
Batteries Included	No (Supercapacitor used)
Display Type	LCD
Supported Standards	MP4
Compatible Devices	Smartphone
Included Memory Card Size	256 GB (if bundled, otherwise 128GB eMMC internal)
Max Flash Memory Supported	512 GB

10. WARRANTY AND SUPPORT

The DDPAI Z90 Master Dashcam comes with an **18-month official EU warranty**. For any technical assistance, troubleshooting, or warranty claims, please contact DDPAI's professional customer support, available 24/7. Refer to the Quick Guide for contact details or visit the official DDPAI website.
