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> [VIOFO A229 Plus Dash Cam User Manual](#)

VIOFO A229 Plus

VIOFO A229 Plus Dash Cam User Manual

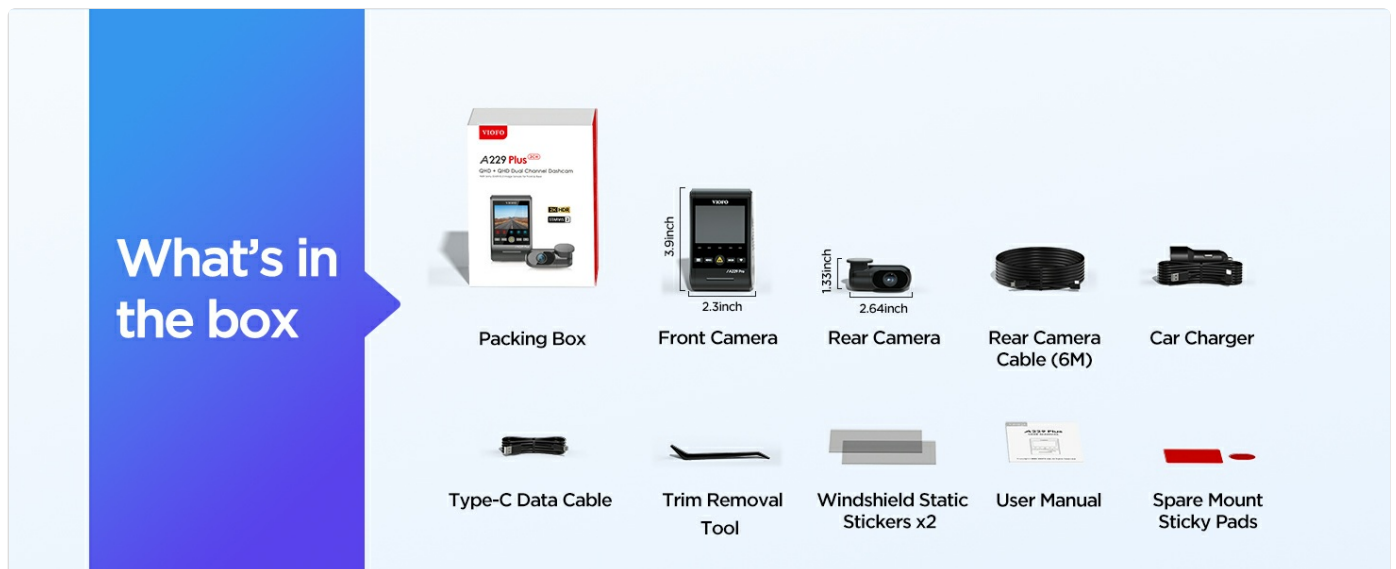
Model: A229 Plus

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VIOFO A229 Plus Dual Channel Dash Cam. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your user experience. The VIOFO A229 Plus features dual Sony STARVIS 2 sensors for superior image quality, HDR recording, voice control, and advanced parking modes.

PACKAGE CONTENTS

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



This image displays the VIOFO A229 Plus dash cam, rear camera, car charger, Type-C data cable, trim removal tool, windshield static stickers, user manual, and spare mount sticky pads, all neatly arranged next to the packing box.

- VIOFO A229 Plus Front Camera
- Rear Camera
- Rear Camera Cable (6M)
- Car Charger
- Type-C Data Cable

- Trim Removal Tool
- Windshield Static Stickers (x2)
- User Manual (this document)
- Spare Mount Sticky Pads
- Optional: Circular Polarizing Lens (CPL)

Note: A microSD card is not included and must be purchased separately. A high-speed U1/U3 microSD card is recommended.

PRODUCT OVERVIEW



This image shows the VIOFO A229 Plus dash cam from the front, displaying its screen with Wi-Fi signal, and from the side, revealing the microSD card slot and ports. An optional CPL filter is also visible.

Front Camera

- **Display Screen:** 2.4-inch HD screen for live view, playback, and settings.
- **Lens:** Front recording lens with Sony STARVIS 2 IMX675 sensor.
- **Buttons:** Power, Record, GPS, Microphone, Wi-Fi, Menu/OK, Up, Down.
- **Ports:** USB Type-C power input, rear camera input, microSD card slot.
- **Speaker & Microphone:** Integrated for audio recording and voice notifications.

Rear Camera

- **Lens:** Rear recording lens with Sony STARVIS 2 IMX675 sensor.
- **Cable Port:** Connects to the main unit via the provided rear camera cable.

INSTALLATION

Proper installation is crucial for optimal performance and safety. Follow these steps carefully:



This diagram illustrates the recommended wiring path for both the front and rear cameras within a vehicle, showing the cable routing along the windshield and headliner to the rear of the car.

1. **Prepare the Windshield:** Clean the area on your windshield where you intend to mount the dash cam. Ensure it is free of dust and grease.
2. **Apply Static Sticker:** Place one of the static stickers on the windshield first. This helps in easy removal and repositioning without leaving residue.
3. **Mount the Front Camera:** Attach the front camera mount to the static sticker. Ensure the camera is positioned centrally and does not obstruct your view. Press firmly to secure.
4. **Install Rear Camera:** Mount the rear camera on your rear windshield, ideally at the top center. Ensure the lens has a clear view.
5. **Connect Rear Camera:** Use the provided 6-meter rear camera cable to connect the rear camera to the main front unit. Route the cable neatly along the headliner and A-pillar, using the trim removal tool to tuck it away.
6. **Power Connection:** Connect the car charger to the front camera's USB Type-C port and plug the other end into your vehicle's 12V power outlet (cigarette lighter socket). Route the power cable discreetly.
7. **Insert microSD Card:** Insert a high-speed microSD card (Class 10 or higher, U1/U3 recommended) into the designated slot on the side of the front camera. Ensure it clicks into place.

INITIAL SETUP AND BASIC OPERATION

Powering On and Formatting

Once connected to power, the dash cam will automatically power on and begin recording. It is essential to format the microSD card before first use and periodically thereafter to ensure stable recording.

- **Formatting:** Navigate to the 'System Settings' menu on the dash cam, select 'Format', and confirm. This will erase all data on the card.



Friendly User Interface

The A229 Plus has upgraded its menu, allowing you to easily view the dashcam's connection and memory card formatting status.

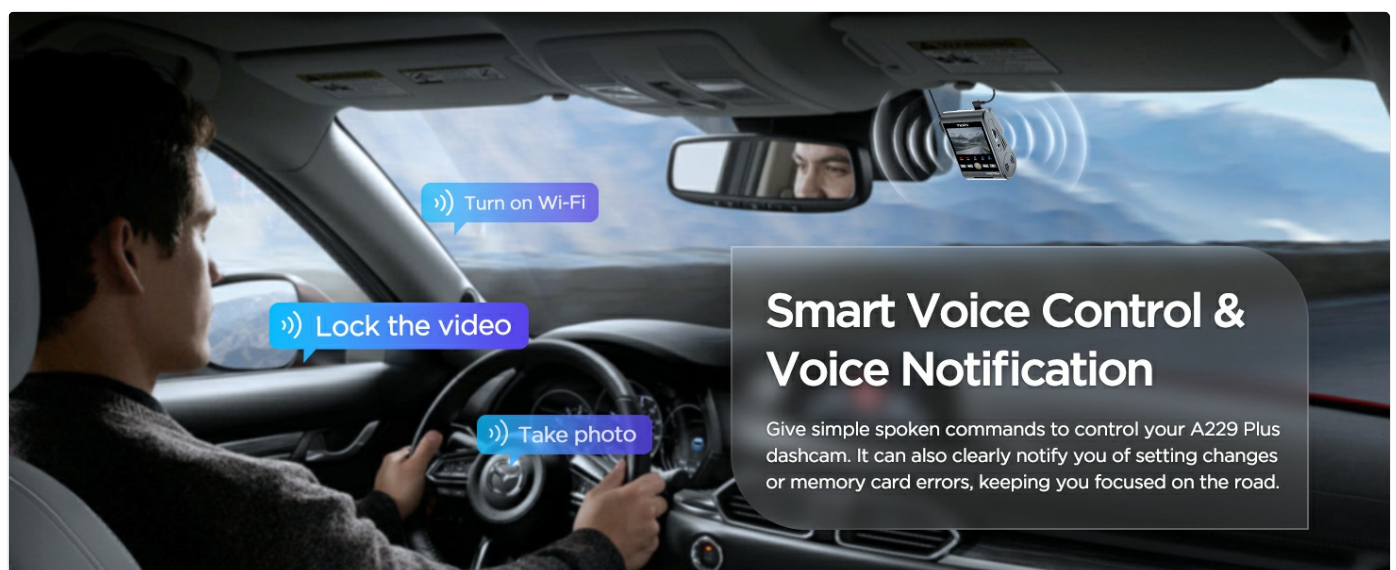
This image displays various screens of the VIOFO A229 Plus user interface, including the main recording view, video settings, system settings, file browsing, and a progress bar for memory card formatting, illustrating the friendly user interface.

Recording Modes

- **Loop Recording:** The camera records continuously in short segments (e.g., 1, 3, or 5 minutes). When the card is full, the oldest files are overwritten.
- **Emergency Recording:** Triggered by the built-in G-sensor upon impact or manually by pressing the 'Record' button. These files are locked and will not be overwritten by loop recording.

Voice Control

The A229 Plus supports voice commands for hands-free operation. Speak clearly and directly to the dash cam.



This image depicts a driver interacting with the VIOFO A229 Plus dash cam using voice commands such as "Turn on Wi-Fi," "Lock the video," and "Take photo," highlighting the smart voice control feature.

Common voice commands include:

- "Turn on Wi-Fi"
- "Turn off Wi-Fi"
- "Take photo"
- "Lock the video"
- "Show front camera"
- "Show rear camera"

Wi-Fi Connection and App Control

Connect your smartphone to the dash cam via Wi-Fi using the VIOFO app (available on Google Play and Apple App Store) for live view, video playback, and settings adjustment.



This image shows the VIOFO A229 Plus dash cam alongside a smartphone screen, which displays the VIOFO mobile application. The app interface shows a video playback with an integrated GPS map, indicating the camera's connectivity and data logging capabilities.

- The A229 Plus supports 5GHz Wi-Fi for faster data transfer and seamless video preview.
- Download recorded videos directly to your phone.

Dual STARVIS 2 Sensors & HDR

The A229 Plus utilizes dual Sony STARVIS 2 IMX675 image sensors for both front and rear cameras, providing enhanced dynamic range and light sensitivity, especially in low-light conditions. Dual-Channel HDR technology ensures balanced exposure and captures more detail in both bright and dark areas of the footage.

Dual Sony STARVIS 2 Sensors



The A229 Plus is the industry's first dashcam with dual Sony STARVIS 2 IMX675 image sensors. This technology greatly reduces noise and motion blur for high-quality day and night recording.

2.5x ↑

Dynamic Range

2.5x ↑

Light Sensitivity



Less noise



Less motion blur

significantly reduces image noise and motion blur, resulting in clearer footage, particularly in challenging lighting conditions.

Dual Channel HDR

The A229 Plus uses dual Sony STARVIS 2 IMX675 flagship sensors and advanced HDR technology to balance brightness and darkness. Its exceptional ability to capture car license details makes it stand out.



Upgraded 2K Rear Cam **STARVIS 2**



This image illustrates the effectiveness of Dual Channel HDR by comparing a scene with HDR enabled versus without, showing improved detail in both bright and shadowed areas. It also highlights the upgraded 2K HDR capability of the rear camera.

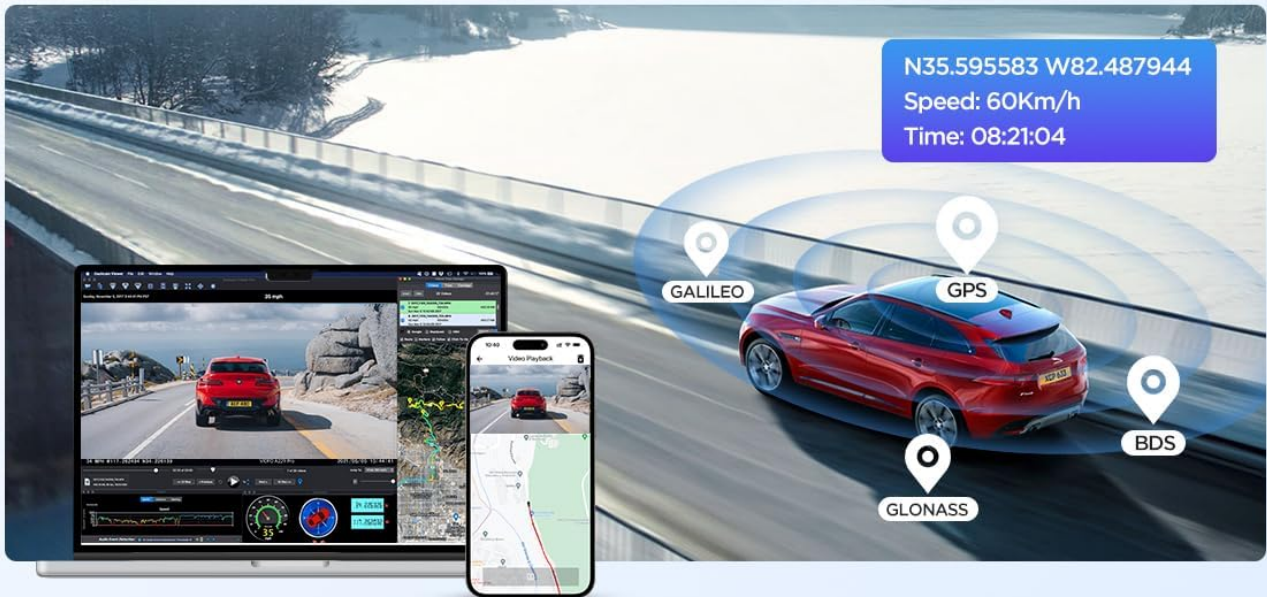
Ultra-Precise GPS

The integrated Quad-Mode GPS module supports GPS, BEIDOU, GALILEO, and GLONASS satellite positioning systems, providing accurate location, speed, and time data that can be viewed during video playback on the VIOFO app

or computer.

Ultra-Precise GPS

A229 Plus features a state-of-the-art Quad-Mode GPS module which supports 4 satellite positioning systems, greatly improving positioning accuracy and stability. It provides detailed location, speed, and time data of the vehicle when playing back the video on VIOFO App or computer.



24/7 Parking Mode

Auto Event Detection



Time Lapse



Low Bitrate Recording



* HK4 Hardwire Kit is needed for parking modes

This image illustrates the Ultra-Precise GPS functionality, showing the dash cam tracking a vehicle's location using multiple satellite systems (GPS, BEIDOU, GALILEO, GLONASS). It also details the 24/7 Parking Mode options: Auto Event Detection, Time Lapse, and Low Bitrate Recording.

24/7 Parking Mode

To utilize parking mode features, the optional VIOFO HK4 Hardwire Kit is required (sold separately). Parking modes include:

- **Auto Event Detection:** Records 15 seconds before and 30 seconds after a detected event (e.g., impact or motion).
- **Time Lapse Recording:** Records video at a low frame rate (1/2/3/5/10 fps) to save storage space while continuously monitoring.
- **Low Bitrate Recording:** Records continuously in a smaller file size with audio, optimizing storage.

Circular Polarizing Lens (CPL) - Optional

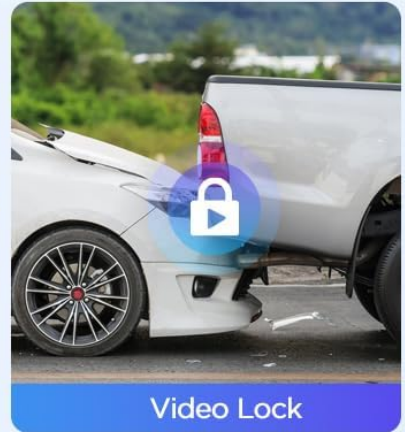
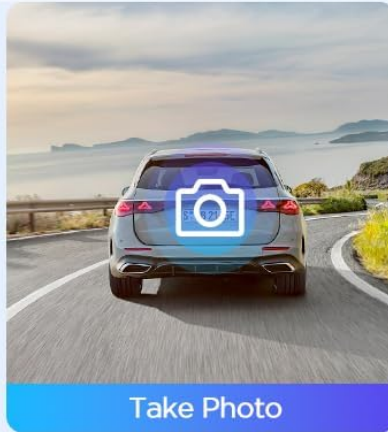
The CPL filter can be attached to the front lens to reduce reflections and glare from glass and road surfaces, improving image clarity and contrast, especially in bright conditions.



This image provides a detailed close-up of the VIOFO Circular Polarizing Lens (CPL) filter, highlighting its design and optical elements.

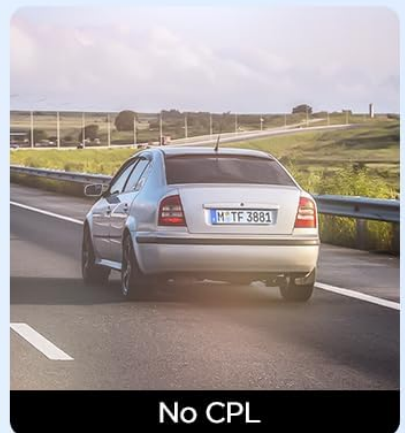
Bluetooth Remote Control (Optional)

The Bluetooth Control can be positioned in a convenient location for safe and easy use while driving. Pressing the button will instantly protect current video clip and image. Control Distance: 5 meters.



Circular Polarizing Lens (Optional)

A CPL (Circular Polarizing Lens) filter can be used to reduce reflections and glare off glass and road surfaces, bringing significantly improved image clarity and contrast.



This image showcases two optional accessories: the Bluetooth Remote Control, demonstrating its functions (Take Photo, Video Lock), and the Circular Polarizing Lens (CPL), illustrating its effect on reducing glare by comparing views with and without the CPL filter.

Bluetooth Remote Control - Optional

The optional Bluetooth remote control allows you to quickly take photos or lock video clips with a single press, without needing to interact directly with the dash cam. The control distance is approximately 5 meters.

MAINTENANCE

- **MicroSD Card Formatting:** Format the microSD card regularly (e.g., once a month) to prevent file corruption and ensure optimal performance.
- **Cleaning:** Use a soft, dry cloth to clean the camera lenses and screen. Avoid using harsh chemicals or abrasive materials.
- **Firmware Updates:** Check the VIOFO official website periodically for firmware updates. Keeping your dash cam's firmware updated ensures the latest features and bug fixes.

TROUBLESHOOTING

Problem	Possible Solution
Dash cam does not power on.	Ensure the car charger is properly connected to both the dash cam and the vehicle's power outlet. Check the vehicle's 12V outlet for power.
Recording stops or freezes.	Format the microSD card. Ensure you are using a high-speed (Class 10, U1/U3) microSD card from a reputable brand. Try a different microSD card.
Video footage is blurry or unclear.	Clean the camera lenses. Ensure the protective film has been removed from the lenses. Check if the CPL filter (if installed) is clean and correctly oriented.
Wi-Fi connection issues.	Ensure Wi-Fi is enabled on the dash cam. Restart both the dash cam and your smartphone. Ensure your phone is within range.
Voice commands not recognized.	Speak clearly and directly towards the dash cam. Ensure the microphone is not obstructed. Check voice control settings in the menu.
Parking mode not working.	Ensure the VIOFO HK4 Hardwire Kit is correctly installed and providing continuous power. Check parking mode settings in the menu.

SPECIFICATIONS

Feature	Detail
Model Name	A229 Plus
Video Capture Resolution	Front: 1440P (2560x1440) @ 60fps; Rear: 1440P (2560x1440) @ 30fps
Image Sensors	Dual Sony STARVIS 2 IMX675
Display Screen	2.4-inch HD LCD
Connectivity Technology	Wi-Fi (2.4GHz & 5GHz)
GPS Module	Quad-Mode (GPS, BEIDOU, GALILEO, GLONASS)
Control Method	Voice Control, Buttons, App Control
Storage	Supports up to 512GB microSD card (not included)
Mounting Type	Windshield Mount
Power Source	Car Charger (12V)
Operating Temperature	-10°C to 65°C (14°F to 149°F)

WARRANTY AND SUPPORT

VIOFO products typically come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official VIOFO website. For technical support, firmware updates, FAQs, and additional accessories, please visit the VIOFO official support page:

[VIOFO Official Website](#)

It is recommended to register your product on the VIOFO website to receive important updates and support.