

VIOFO A329S 2CH CA

VIOFO A329S 4K 60FPS Dual Dash Camera User Manual

Model: A329S 2CH CA | Brand: VIOFO

1. INTRODUCTION

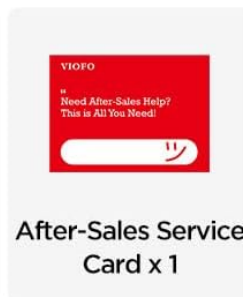
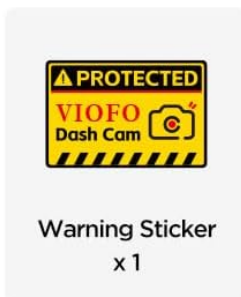
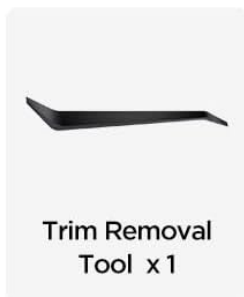
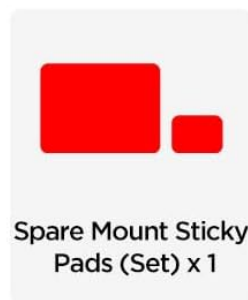
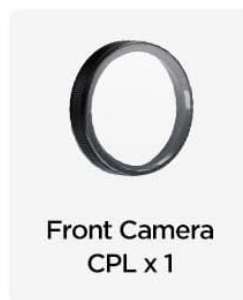
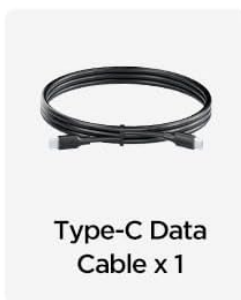
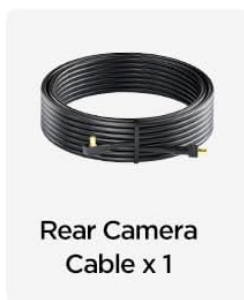
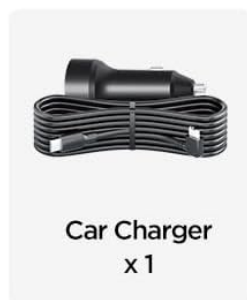
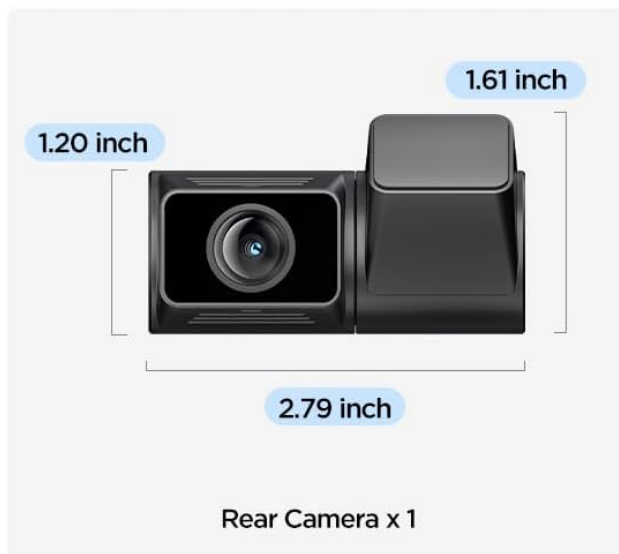
This user manual provides detailed instructions for the installation, operation, and maintenance of your VIOFO A329S 4K 60FPS Dual Dash Camera. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your user experience. The VIOFO A329S is designed to capture high-quality video footage of your journeys, offering advanced features for enhanced road safety and surveillance.

2. WHAT'S IN THE BOX

Upon opening your VIOFO A329S package, you should find the following components:

- 1x Front Camera
- 1x Rear Camera
- 1x Rear Cable (6m)
- 2x 3M Sticker for mounting
- 1x Rear Mount
- 1x Trim Removal Tool
- 1x GPS Module with sticker
- 1x CPL (Circular Polarizing Lens)
- 1x Car Charger (3.5m) with dual USB-C ports
- 3x Static (Windshield) Stickers
- 1x Type-C Data Cable (for PC connection)
- 1x Warning Sticker
- 1x After Sales Service Card
- 1x Quick Start Guide

Packing List



We recommend VIOFO Industrial Grade microSD card for better use with dash cam

Please note: 128GB/256GB/512GB microSD card is not included, need to buy separately.



Image: All components included in the VIOFO A329S package, neatly arranged for inspection.

3. SETUP

3.1 Initial Preparation

Before installation, ensure all protective films are removed from the camera lenses and the LCD screen. This is crucial for clear recording and proper display functionality.

3.2 Memory Card Formatting

The memory card must be formatted before first use. To format the card using the camera, turn on the device, navigate to the settings menu, and select the 'Format' option. Confirm your selection to proceed. It is recommended to use VIOFO Industrial Grade microSD cards for optimal performance and durability.

3.3 Installation Location

Choose a suitable location on your windshield for the front camera, ensuring it does not obstruct your view. The rear camera should be mounted on the rear windshield. Use the provided static stickers before applying the 3M adhesive mounts to allow for easier removal if needed in the future. The included trim removal tool can assist in neatly tucking cables behind your vehicle's interior trim for a clean installation.

4K 60FPS Recording Higher Frame Rate, Smoother Video

VIOFO supports both high-resolution 4K and high frame rate 60fps shooting, allowing you to capture clear license plates even when driving at high speeds.



Image: Recommended cable routing and camera placement for optimal installation.

3.4 Connecting to Smartphone (Wi-Fi 6)

Download the VIOFO app from your device's app store (iOS or Android). Turn on Wi-Fi on the dash cam by long-pressing the Wi-Fi button. Connect your phone to the dash cam's Wi-Fi network. Once connected, you can use the app to preview footage, download videos, and adjust settings. The Wi-Fi 6 technology ensures faster transfer speeds, allowing a 1-minute 4K video to be downloaded in under 10 seconds.

Image: Demonstrating the high-speed Wi-Fi 6 connectivity for quick video downloads to your smartphone.

4. OPERATING INSTRUCTIONS

4.1 Video Recording

The VIOFO A329S offers superior video recording capabilities:

- **4K 60FPS Front + 2K Rear Recording:** Capture ultra-smooth, high-definition video with exceptional clarity. The front camera records at 4K resolution at 60 frames per second, while the rear camera records at 2K resolution.
- **Advanced Dual STARVIS 2 Sensors:** Equipped with STARVIS 2 IMX678 (front) and IMX675 (rear) image sensors,

the dash cam delivers less noise and motion blur, especially in low-light conditions, ensuring clear and sharp videos.

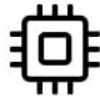
- **2-Channel HDR:** The High Dynamic Range feature balances extremely bright and dark areas in the footage, revealing details and capturing accurate license plates even in challenging lighting or fast-moving scenarios.

2-Channel Recording

Capture Clear License Plate

4K + 2K

Front & Rear



Dual STARVIS 2

HDR

Dual-Channel HDR



Image: Illustration of 2-channel recording capturing clear license plates from both front (4K) and rear (2K) cameras.

Dual STARVIS 2 Sensors

Less noise, less motion blur

68%[↑]

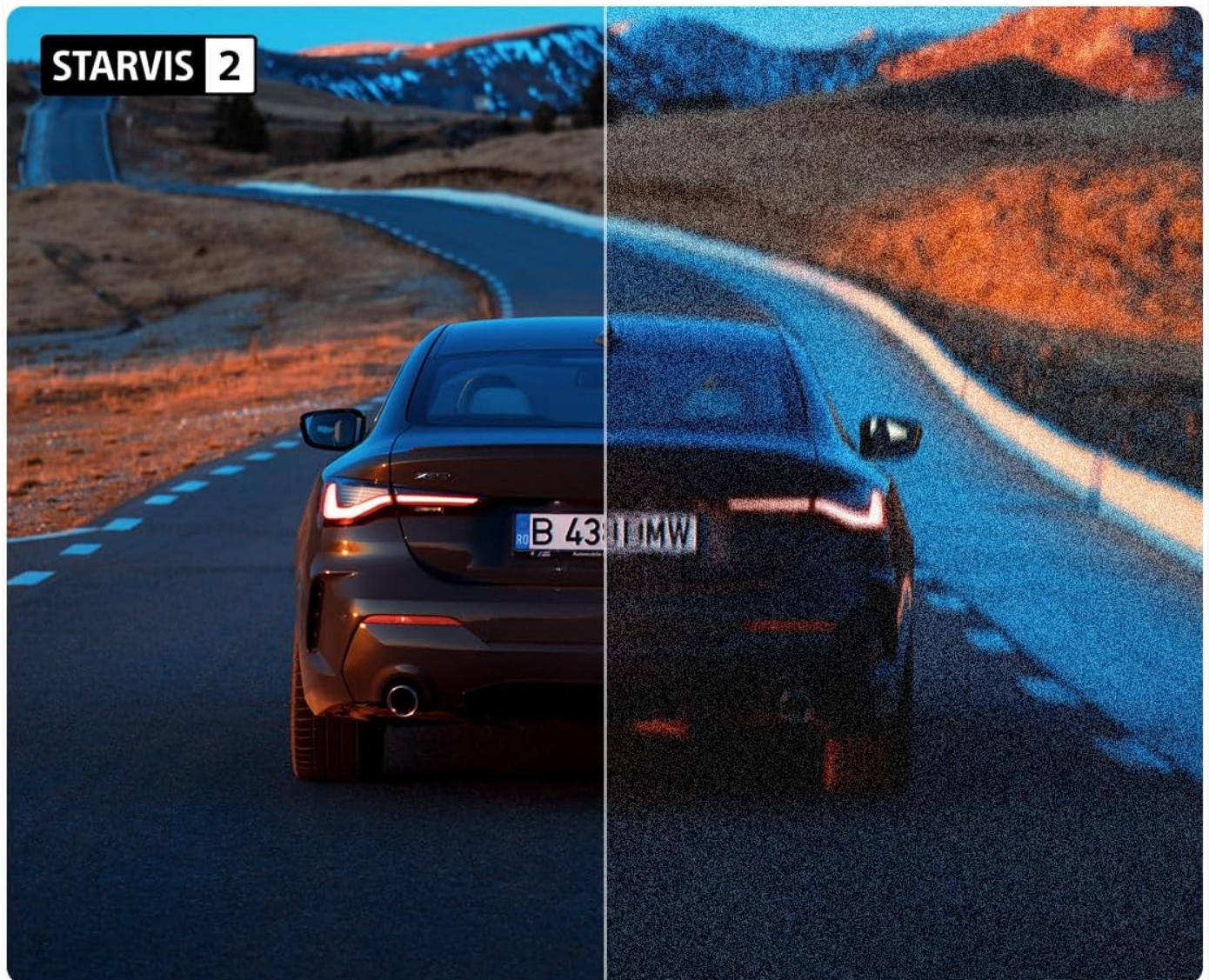
Image sensor size

90%[↑]

Photosensitive area

100%[↑]

Low light performance



VIOFO

OTHER

Image: Visual comparison demonstrating the superior low-light performance and reduced noise of Dual STARVIS 2 sensors.

4K 60FPS Recording

Higher Frame Rate, Smoother Video



2-Channel HDR

Capturing Clear License Plates is a Breeze

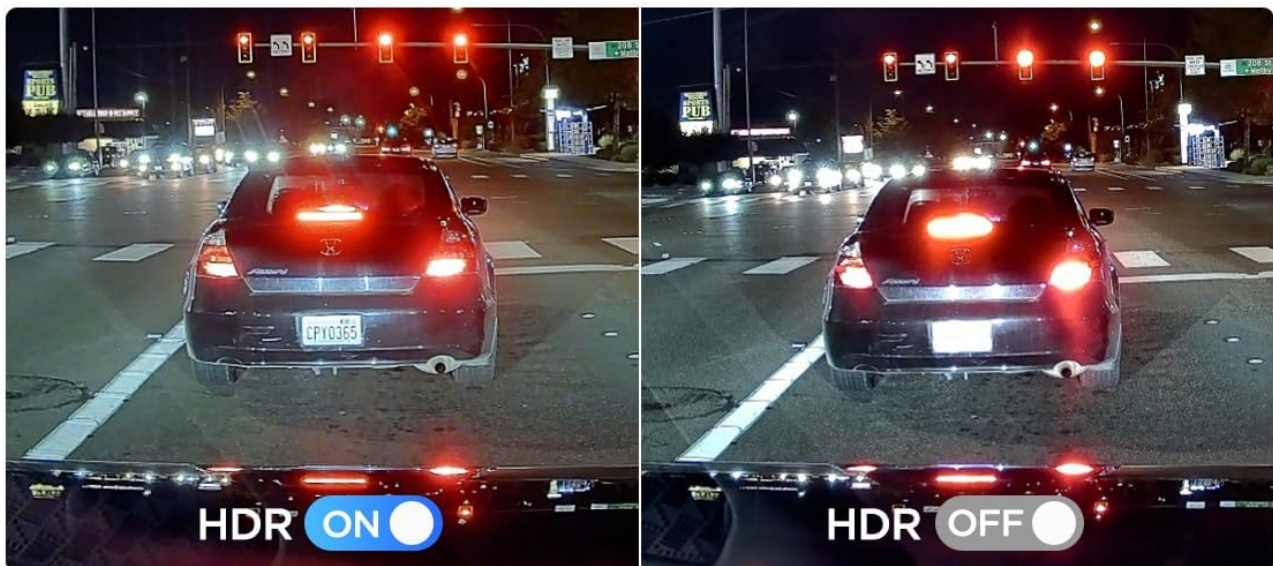


Image: Highlighting 4K 60FPS recording for smoother video and 2-Channel HDR for clear license plate capture.

4.2 Parking Mode

The A329S features an Impact Detection Power Saving Parking Mode. This mode supports ultra-low power consumption to prevent battery drain. When a collision is detected, the camera instantly begins recording. This feature requires the HK4 or HK6 Hardwire Kit (sold separately) for continuous power supply when the vehicle is off.

Wi-Fi 6 Dual Band

A one-minute 4K video can be downloaded in under 10 seconds.
It offers significant convenience in case of emergency.



A329S Dash Cam

30M/S

Other Dash Cam

7M/S

Image: Visual representation of the Power Saving Parking Mode with Impact Detection, emphasizing its benefits.

4.3 Storage Options

The A329S supports external SSDs up to 4TB or microSD cards up to 512GB, providing extensive storage for uninterrupted recording for over 3 weeks. For optimal performance, VIOFO recommends using their optional Type-C SSD cable and industrial high endurance microSD cards.

Dual Type-C Car Charger

All in One, One for Convenience

The 45W car charger, featuring supercharging capability, comes with two Type-C ports for dash cams and other mobile devices, offering great practicality. It is also designed with an indicator light for enhanced convenience when used in the dark.



Image: The dash cam's support for high-capacity SSD storage, allowing for extended recording times.

Supports up to 512GB memory card

A329S dash cam supports a maximum memory card capacity of 512GB. For optimal performance, we highly **recommend using the VIOFO industrial high endurance microSD cards**. These cards are specifically optimized for dash cam recording and provide greater assurances regarding compatibility and long-life durability.

Note: microSD card is not included.



Image: Illustrating the insertion of a microSD card into the dash cam, highlighting its support for up to 512GB capacity.

4.4 Smart Voice Control

Stay focused on the road with hands-free smart voice control. The dash cam responds to voice commands to start/stop recording, take photos, and turn Wi-Fi on/off. It also provides clear notifications for settings changes and memory card errors.

Image: Demonstrating the smart voice control feature, allowing hands-free operation of key functions.

4.5 Comprehensive GPS Functionality

The built-in GPS module supports four global navigation satellite systems: GPS, BeiDou, Galileo, and GLONASS. This provides detailed location, speed, and time data for your vehicle, which can be viewed when playing back video on the VIOFO App or the VIOFO PC player.

Accurate GPS Tracking

An Extra Layer of Safety on the Road

The built-in GPS module supports four global navigation satellite systems—GPS, BeiDou, Galileo, and GLONASS—providing detailed location, speed, and time data of the vehicle when playing back video on the VIOFO App or VIOFO PC player.

*If you use the VIOFO App or VIOFO PC player to play back the video and view GPS map, please download the video first.

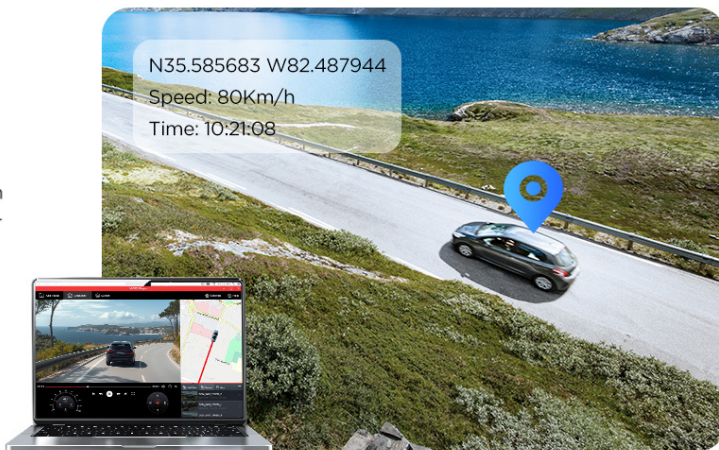


Image: Visualizing the accurate GPS tracking feature, providing detailed location and driving data.

4.6 Anti-Glare CPL

A CPL (Circular Polarizing Lens) is included and attaches to the front lens. This effectively reduces reflections and glare from glass and road surfaces, significantly enhancing image quality and contrast in various driving conditions.



Supports
Backup to SSD

A329S allows to back up footage from the SD card to the SSD, reducing strain on the SD card and storing more important data on the SSD.



Supports External
PSSD, Up to 4TB

Connect a PSSD to your dash cam to record every moment of your adventure. Relive those wonderful memories anytime.

Image: Demonstrating the effectiveness of the Circular Polarizing Lens in reducing reflections and improving video clarity.

4.7 Official Product Video

Video: An official product overview of the VIOFO A329S 4K 60FPS + 2K Dash Cam, highlighting its key features and capabilities.

5. MAINTENANCE

5.1 Memory Card Care

Regularly format your microSD card (at least once a month) to ensure optimal performance and prevent data corruption. This helps maintain the card's health and ensures seamless loop recording. Always use high-endurance microSD cards designed for dash cam use.

5.2 Cleaning

Keep the camera lenses clean using a soft, lint-free cloth. Avoid using abrasive cleaners or solvents that could damage the lens coating. Regularly wipe down the camera body to remove dust and debris.

6. TROUBLESHOOTING

6.1 Firmware Updates

VIOFO periodically releases firmware updates to improve performance, add new features, and fix bugs. Always ensure you download the correct firmware for your specific A329S model (S, T, or WW) from the official VIOFO website. Incorrect firmware can lead to malfunctions. Follow the instructions provided with the firmware update carefully.

6.2 Common Issues

- **Camera not powering on:** Check the power cable connection and the vehicle's cigarette lighter socket or hardwire kit. Ensure the car charger is properly inserted.
- **Recording issues:** Format the memory card. If issues persist, try a different high-endurance memory card. Ensure protective films are removed from lenses.
- **Wi-Fi connection problems:** Ensure Wi-Fi is enabled on the dash cam and your phone. Try restarting both devices.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	1.7 x 2.3 x 3.9 inches
Item Weight	1.79 pounds
Video Capture Resolution	4K 60FPS (Front) + 2K 30FPS (Rear)
Image Sensors	Dual STARVIS 2 (IMX678 Front, IMX675 Rear)
Connectivity Technology	Wi-Fi 6 (Dual Band), Type-C USB 3.0
Special Features	Built-In WiFi, App Control, Compact Design, Built-In Supercapacitor, Built-In GPS, Voice Control, 2-Channel HDR
Storage Support	Up to 4TB SSD or 512GB microSD
Mounting Type	Windshield Mount
Manufacturer	VIOFO

8. WARRANTY AND SUPPORT

VIOFO is committed to providing high-quality products and excellent customer service. Since 2010, VIOFO has been a leader in dashcam imaging technology, known for high-definition clarity, stability, and reliability.

8.1 Warranty Information

The VIOFO A329S typically comes with a 24-Month Warranty Coverage. For specific details regarding your product's warranty, please refer to the After Sales Service Card included in your package or contact VIOFO customer support.

8.2 Customer Support

For any inquiries, technical assistance, or after-sales support, please contact VIOFO directly:

- **Email:** support@viofo.com
- **Phone (US):** +1 323 505 9898

VIOFO offers 24/7 dedicated customer support and a 30-Day Money-Back Guarantee.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question