

## VIOFO A329S 3CH

# VIOFO A329S 3CH Dashcam Instruction Manual

Model: A329S 3CH | Brand: VIOFO

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VIOFO A329S 3CH Dashcam. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact VIOFO customer support.

- 1 Front Camera
- 1 Rear Camera
- 1 Interior Camera
- 1 Car Charger (3.5 m)
- 1 Rear Camera Cable (6 m)
- 1 Type-C Data Cable (0.5 m)
- 1 CPL for Front Camera
- 1 Spare Adhesive Pad (kit)
- 2 Transparent Films
- 1 Trim Removal Tool
- 1 User Manual

## Karte in Industriequalität

### VIOFO Speicherkarte mit Adapter



Image: Contents of the VIOFO A329S 3CH Dashcam package, showing the main unit, three cameras, various cables, CPL filter, adhesive pads, and tools.

### 3. PRODUCT FEATURES

- **Three-Channel Recording:** Simultaneous recording from front (4K), interior (2K 210° ultra-wide), and rear (2K) cameras.
- **STARVIS 2 Sensor Technology:** Equipped with Sony IMX678 (front) and IMX675 (interior/rear) sensors for superior image quality, reduced noise, and improved low-light performance.
- **Wi-Fi 6 Connectivity:** Enables ultra-fast video transfer and seamless connection to the VIOFO app for live view, playback, and settings management.
- **Smart Parking Mode:** Offers Energy-Saving and Hybrid Parking modes for 24/7 vehicle surveillance (requires optional HK4 or HK6 hardwire kit).
- **External Storage Support:** Compatible with microSD cards up to 512GB and external SSDs up to 4TB for extended recording times.
- **Smart Voice Control:** Control key functions using English voice commands.
- **Accurate GPS Tracking:** Built-in GPS module provides detailed location, speed, and time data for video playback.
- **Circular Polarizing Lens (CPL):** Front CPL filter included to reduce reflections and glare, enhancing video clarity.
- **Ultra-Slim Coaxial Cables:** Designed for discreet and interference-free installation.



Image: Illustration of the VIOFO A329S 3-channel recording capability, showing simultaneous views from the front (4K), interior (2K), and rear (2K) cameras.



Image: Visual comparison demonstrating reduced noise and motion blur with STARVIS 2 sensors in low light conditions compared to other sensors.

## 4. SETUP

### 4.1 Inserting the MicroSD Card

The A329S supports microSD cards up to 512GB. For optimal performance and durability, VIOFO industrial high-endurance microSD cards are recommended.

1. Ensure the dashcam is powered off.
2. Locate the microSD card slot on the side of the main unit.
3. Insert the microSD card with the contacts facing the front of the dashcam until it clicks into place.
4. To remove, gently push the card until it springs out.

### Wi-Fi 6 Dual Band Ultra-Fast Downloads

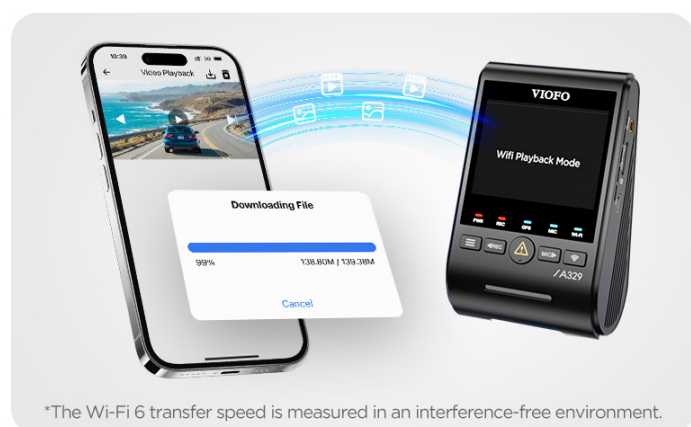
A329S is powered by advanced Wi-Fi 6 technology, which boosts operation speeds by three times in the 5GHz band, up to 30MB/s, enhancing video previewing, downloading and sharing. **A one-minute 4K video can be downloaded in under 10 seconds.**

**3X↑**

Transfer speeds  
boost

**30MB/s↑**

Transfer speeds  
reach



\*The Wi-Fi 6 transfer speed is measured in an interference-free environment.

Image: Diagram showing the insertion of a microSD card into the VIOFO A329S dashcam, highlighting the recommended VIOFO high-endurance cards.

### 4.2 Initial Power-On and Basic Configuration

1. Connect the dashcam to your vehicle's 12V power outlet using the provided car charger.
2. The dashcam will power on automatically.
3. Follow the on-screen prompts to select your preferred language, set the date and time, and format the microSD card.

## 5. INSTALLATION

### 5.1 Main Unit Installation




Choose a mounting location that does not obstruct your view of the road. The recommended position is behind the rearview mirror.




1. Clean the windshield surface where the dashcam will be mounted.
2. Apply the transparent film to the cleaned area to prevent adhesive residue on the windshield.
3. Remove the adhesive backing from the dashcam mount.
4. Firmly press the dashcam mount onto the transparent film on the windshield.
5. Attach the main dashcam unit to the mount.

### STARVIS 2 Sensors for All 3 Channels


Less Noise, Less Motion Blur

A329S using STARVIS 2 sensors IMX678 & IMX675 for all 3 cameras, offers a wider dynamic range and higher light sensitivity, bringing **less noise and motion blur** during day & night recording.





Less motion blur



Less noise




Image: Diagram illustrating the recommended installation location of the VIOFO A329S dashcam on the windshield, typically behind the rearview mirror.

### 5.2 Cable Routing

Route the power cable and camera cables discreetly along the edges of the windshield and vehicle interior using the provided trim removal tool and cable clips.

1. Connect the USB-C power cable to the main unit's mount.
2. Guide the cable along the top edge of the windshield, down the A-pillar, and towards the vehicle's 12V power outlet.
3. Use the trim removal tool to tuck the cable under the headliner and pillar trim.
4. Secure any loose cables with the provided cable clips.

### 3-Channel HDR

#### Capturing Clear License Plates

The combination of Sony STARVIS 2 technology and HDR feature balances extremely bright and dark areas, revealing details and capturing accurate license plates even in fast move from all-channel recordings.



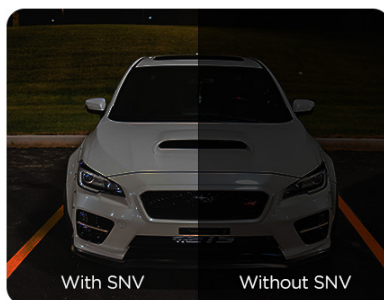
Image: Diagram showing the cable connections for the front, rear, and cabin cameras, and the car charger, illustrating how to route cables discreetly.

## 5.3 Rear and Interior Camera Installation

Connect the rear and interior cameras to the main unit using the provided coaxial cables. Ensure the cables are routed neatly and securely.

1. Connect the rear camera cable to the main unit and route it along the headliner, down the side pillars, and to the rear windshield.
2. Mount the rear camera on the rear windshield using its adhesive mount, ensuring a clear view.
3. Connect the interior camera cable to the main unit and mount the interior camera on the windshield, typically next to the main unit, ensuring it covers the vehicle's interior.
4. Verify that all cameras display correctly on the main unit's screen or via the VIOFO app.

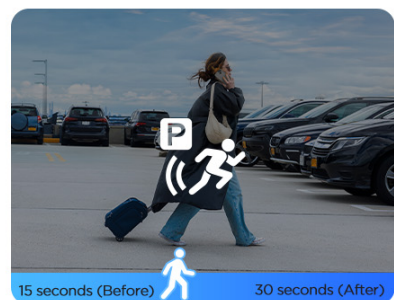
### Normal Parking Mode



Super Night Vision (SNV)



Low Bitrate Recording



Auto Event Detection

Image: Illustration comparing regular cables with the VIOFO A329S ultra-slim coaxial cables, highlighting their smaller diameter for easier and more discreet installation.

## 6. OPERATION

### 6.1 Basic Recording

The dashcam automatically starts recording when powered on. Videos are saved in segments to the microSD card. Loop recording ensures continuous recording by overwriting the oldest files when the card is full.



- **Loop Recording:** Automatically records in continuous loops, overwriting the oldest files.
- **G-Sensor:** Automatically locks video files in case of sudden impact or collision to prevent them from being overwritten.

## Loop Recording & Auto Emergency Lock

### Endless Recording, Instant Protection

A329S supports seamless loop recording, automatically overwriting the oldest videos with the newest ones. With the built-in G-sensor, the dash cam will automatically lock the footage in case of collision or crash, replaying the accident scene for investigation.



Image: Illustration of loop recording and auto emergency lock features, showing how the dashcam continuously records and protects important footage during incidents.

## 6.2 Wi-Fi Connectivity and App Control

The VIOFO A329S features Wi-Fi 6 for fast and stable connection to your smartphone via the VIOFO app.

1. Download the VIOFO app from your smartphone's app store.
2. Enable Wi-Fi on the dashcam (usually via a button or menu option).
3. Connect your smartphone to the dashcam's Wi-Fi network.
4. Use the app for live view, video playback, downloading files, and adjusting settings.

## 210° Ultra-Wide Cabin Camera

### Capture Both Inside and Out with Enhanced Clarity

**210°**  
210° Ultra-Wide  
Angle

**HDR**  
HDR Enhanced  
Vision

**2K STARVIS 2**  
2K STARVIS 2

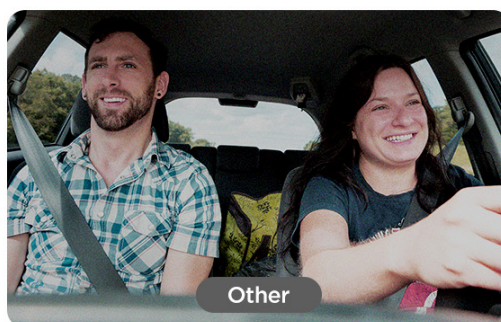


Image: Illustration demonstrating the fast download speeds of the VIOFO A329S using Wi-Fi 6, showing a 4K video downloading to a smartphone.

## 6.3 Smart Voice Control

Control your dashcam hands-free using simple English voice commands for functions like taking photos, turning Wi-Fi on/off, or locking videos.

## 6.4 Parking Mode

The A329S offers advanced parking modes to protect your vehicle 24/7. A VIOFO HK4 or HK6 hardwire kit (sold separately) is required for parking mode functionality.

- **Energy-Saving Parking Mode:** The camera consumes low power in standby and records immediately upon impact detection.
- **Hybrid Parking Mode:** Combines motion detection, time-lapse recording, or low bitrate recording based on your settings or when a minimum voltage is reached.

### Superfast Direct Data Transfer

#### Type-C to Type-C Connection

Through the USB 2.0 Type-C to Type-C cable, photos and video files in the dash cam memory card can be transferred swiftly to your smartphones. The download speed is up to 20MB/s on iPhone 15. You can also easily download and install the latest firmware this way.



Image: Illustration of the Hybrid Parking Recording feature, showing different parking modes like normal recording, time-lapse, and impact detection recording.

## 7. STORAGE MANAGEMENT

The A329S supports high-capacity storage options to ensure you capture all important footage.

- **MicroSD Card:** Supports up to 512GB. Regularly format the card to maintain optimal performance.
- **External SSD:** Supports up to 4TB SSD for extended recording. A VIOFO Type-C SSD cable is required (sold separately).

### 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: Diagram illustrating the support for external SSD storage up to 4TB, showing recommended SSD models and estimated recording days for different capacities.

## 8. MAINTENANCE

- **Regular Formatting:** Format the microSD card every 2-3 weeks to prevent data corruption and ensure smooth operation.
- **Firmware Updates:** Check the VIOFO website regularly for firmware updates to improve performance and add new features.
- **Lens Cleaning:** Gently clean the camera lenses with a soft, lint-free cloth to ensure clear recordings.

## 9. SPECIFICATIONS

Feature	Detail
Brand	VIOFO
Model Number	A329S 3CH
Video Recording Resolution	2160p (Front) + 1440p (Interior) + 1440p (Rear)
Connectivity Technology	Wi-Fi 6
Special Features	4K Front, 2K 210° Interior, 2K Rear Recording, Up to 4TB SSD/512GB MicroSD, Privacy Mode, STARVIS 2 Sensor Technology, Enhanced Wi-Fi 6, Energy-Saving Hybrid Parking Mode
Screen Size	2.4 Inches
Field of View	210 Degrees (Interior Camera)

## 10. WARRANTY AND SUPPORT

For warranty information, technical support, or any product-related inquiries, please refer to the official VIOFO website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.