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VIOFO A329 1CH

VIOFO A329 Dash Cam User Manual

Model: A329 1CH | Brand: VIOFO

Introduction

The VIOFO A329 is an advanced 4K 60FPS dash camera designed to provide high-quality video recording for your vehicle. Featuring Wi-Fi 6 connectivity, STARVIS 2 sensor technology, and extensive storage support, it ensures clear and reliable footage for various driving conditions and parking surveillance. This manual provides detailed instructions for setting up, operating, and maintaining your VIOFO A329 dash cam.



Image: VIOFO A329 Dash Cam with its companion smartphone application displaying live view.

What's in the Box

Please check the contents of your package to ensure all items are present:



Image: A visual representation of all components included in the VIOFO A329 Dash Cam package.

- 1x Front Camera (VIOFO A329)
- 1x CPL (Circular Polarizing Lens)
- 1x Car Charger (4m cable)
- 2x Static (Windshield) Stickers
- 1x Trim Removal Tool
- 1x GPS Module with sticker
- 1x Type-C Data Cable

- 1x User Manual
- Spare Mount Sticky Pads

Key Features

4K 60FPS Recording

Experience ultra-smooth, crisp 4K visuals with enhanced 60 frames per second. This capability allows for clearer capture of fast-moving scenes and improved detail, especially for license plates. The A329 records in true 4K resolution, with an option to switch to 4K 30fps for HDR recording.

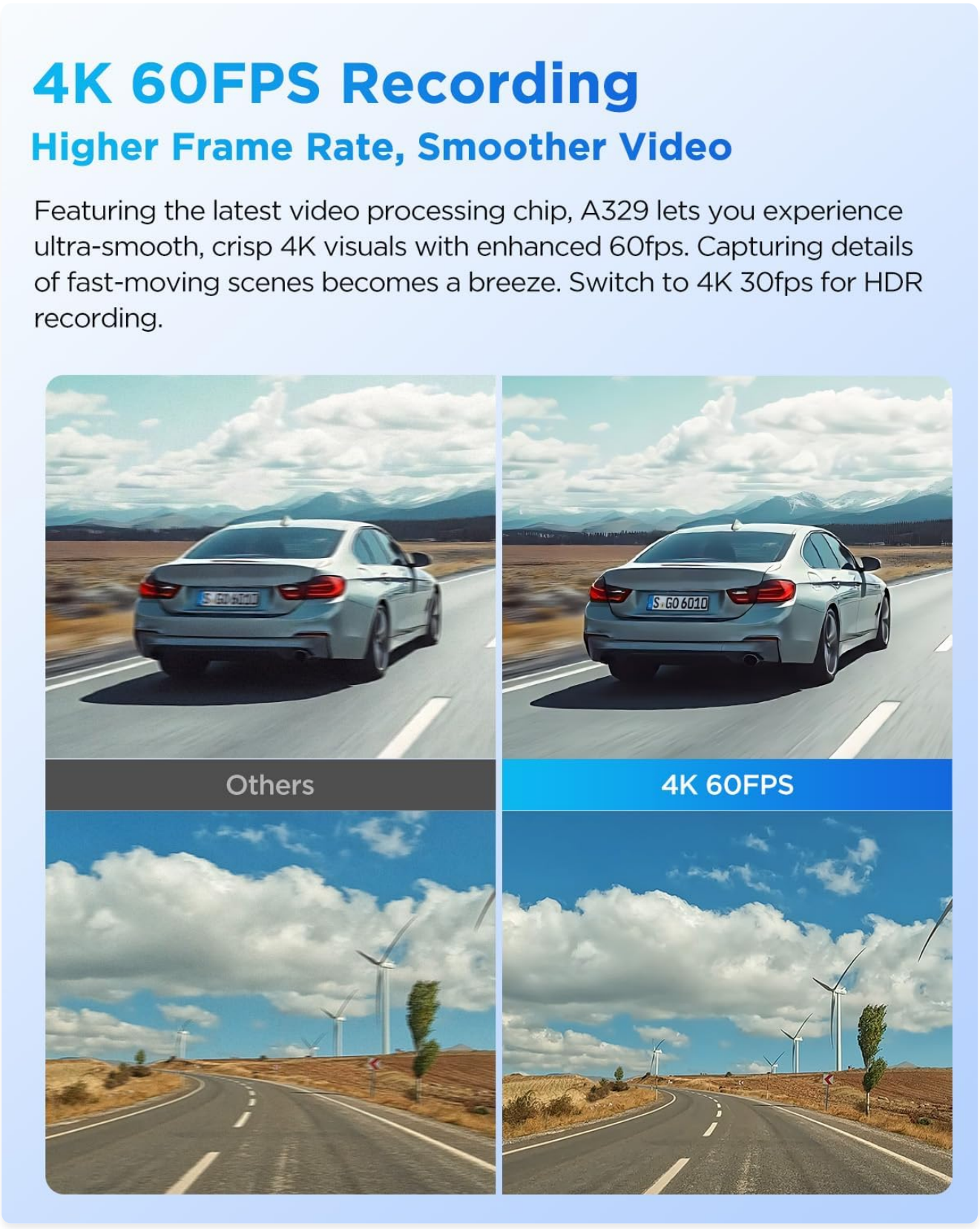


Image: Comparison showing the smoother video quality of 4K 60FPS recording versus 4K 30FPS.

STARVIS 2 Sensor

The front camera is equipped with the STARVIS 2 IMX678 1/1.8" 8MP image sensor. This advanced sensor enhances clarity and detail by packing more pixels, reducing noise in low-light conditions, and minimizing motion blur during fast movements.

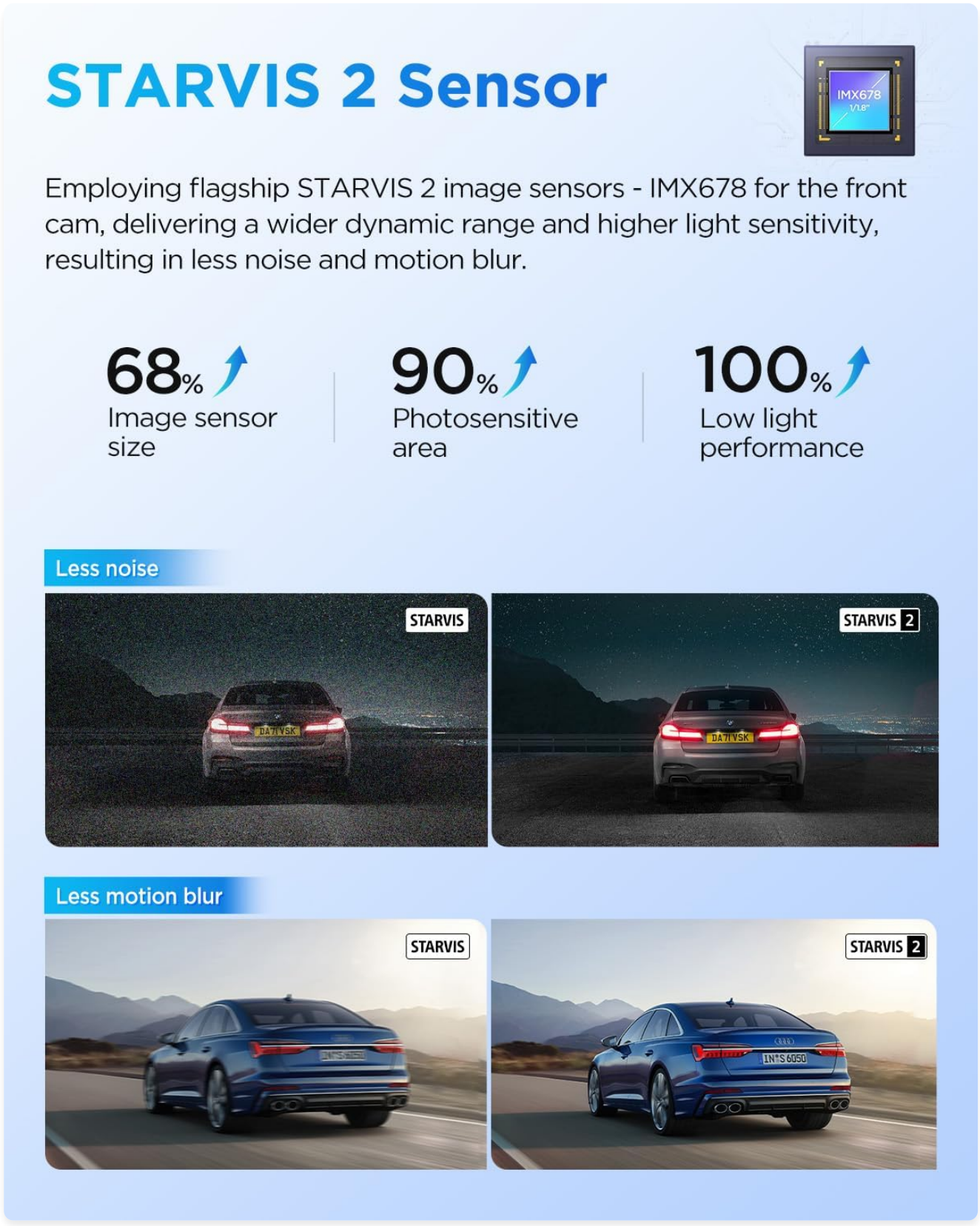


Image: Visual demonstration of reduced noise and motion blur with the STARVIS 2 sensor compared to standard sensors.

Wi-Fi 6 Technology

The A329 is the first dash cam to utilize Wi-Fi 6 technology, offering significantly faster operation speeds on the 5GHz band (up to 30MB/s). This allows for quicker video transfers and more efficient downloading, with a 1-minute 4K video downloadable in under 10 seconds.

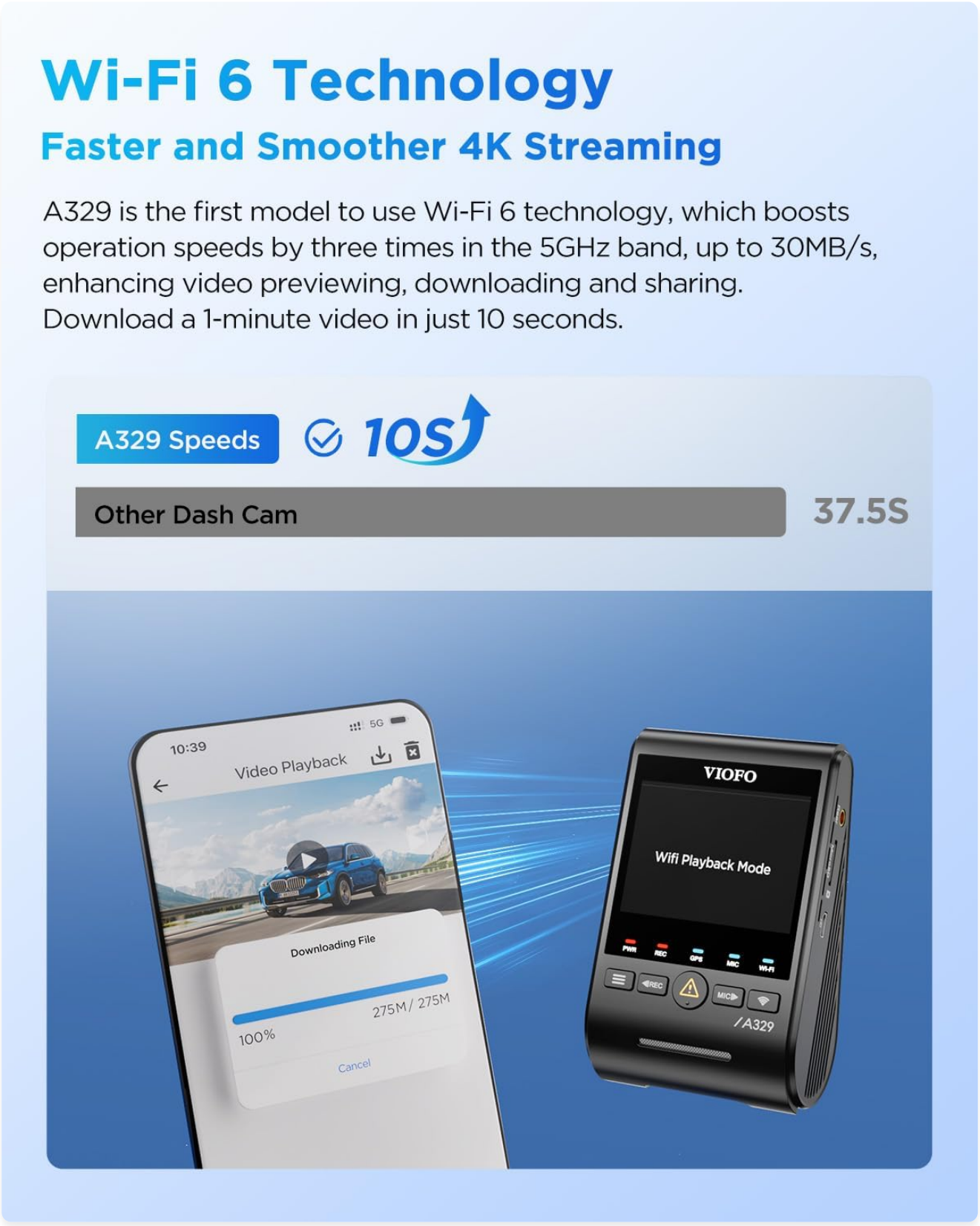


Image: A comparison chart illustrating the faster download speeds achieved with Wi-Fi 6 technology.

Extensive Storage Support

The A329 supports external SSD storage up to 4TB and microSD cards up to 512GB (not included). This innovative feature allows for significantly extended recording durations, up to over three weeks of footage, reducing concerns about frequent overwriting.



Image: The VIOFO A329 dash cam connected to an external SSD, demonstrating its expanded storage capabilities.

HDR Night Vision

The combination of STARVIS 2 technology and HDR functionality effectively balances extremely bright and dark areas in the video. This feature reveals details and accurately captures license plates even during fast movement or in low-light conditions, such as dark tunnels or at night.

HDR Technology for Crystal-Clear License Plate Capture

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 front recording.



Image: A side-by-side comparison showing the improved clarity and detail of license plates with HDR enabled versus disabled.

Enhanced USB 3.0 & Parking Modes

The A329 features an upgraded USB 3.0 port for ultra-fast video downloads directly to your smartphone (up to 55MB/s on compatible devices). Additionally, it offers three parking modes: Auto Event Detection, Low Bitrate, and Time Lapse, which can be activated with the VIOFO HK4 Hardwire Kit (sold separately).

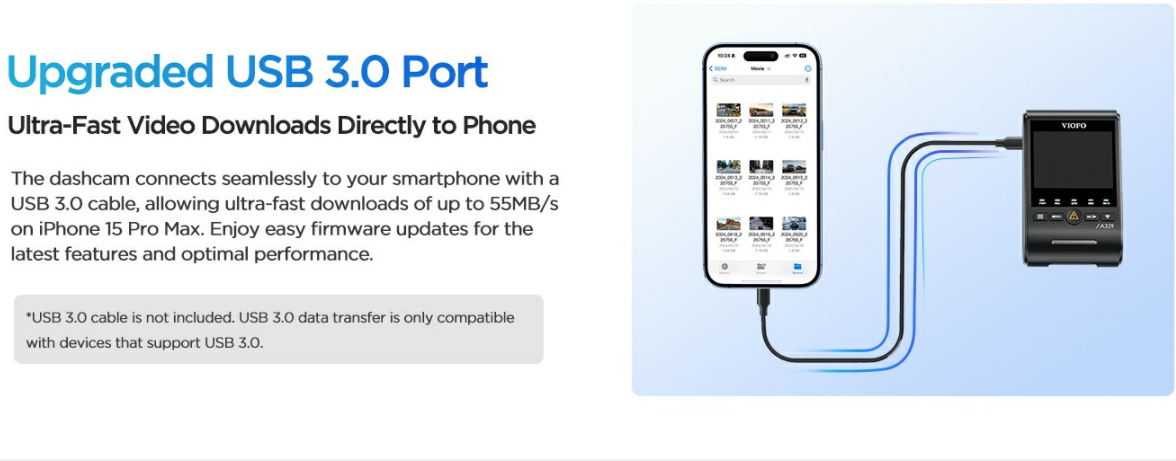


Image: Diagram illustrating the direct connection and fast data transfer from the dash cam to a smartphone via USB 3.0.

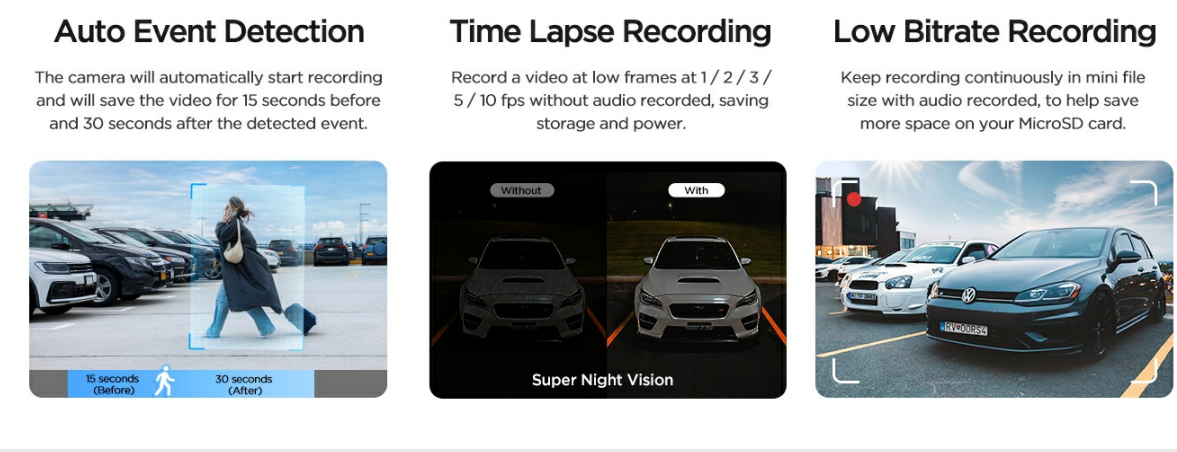


Image: Visual explanation of the three parking modes: Auto Event Detection, Time Lapse Recording, and Low Bitrate Recording.

Smart Voice Control & Notification

Stay focused on driving with the A329's voice control feature. You can start/stop recording, take photos, and toggle Wi-Fi using simple spoken commands. The camera also provides clear notifications for settings changes and memory card errors.

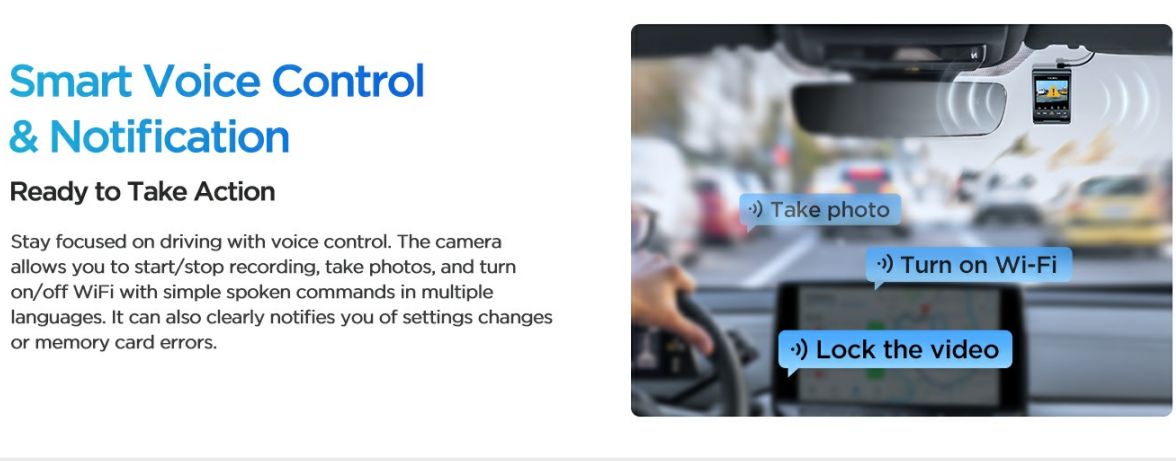


Image: Depiction of voice commands for the dash cam, such as 'Take photo', 'Turn on Wi-Fi', and 'Lock the video'.

GPS Support

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.

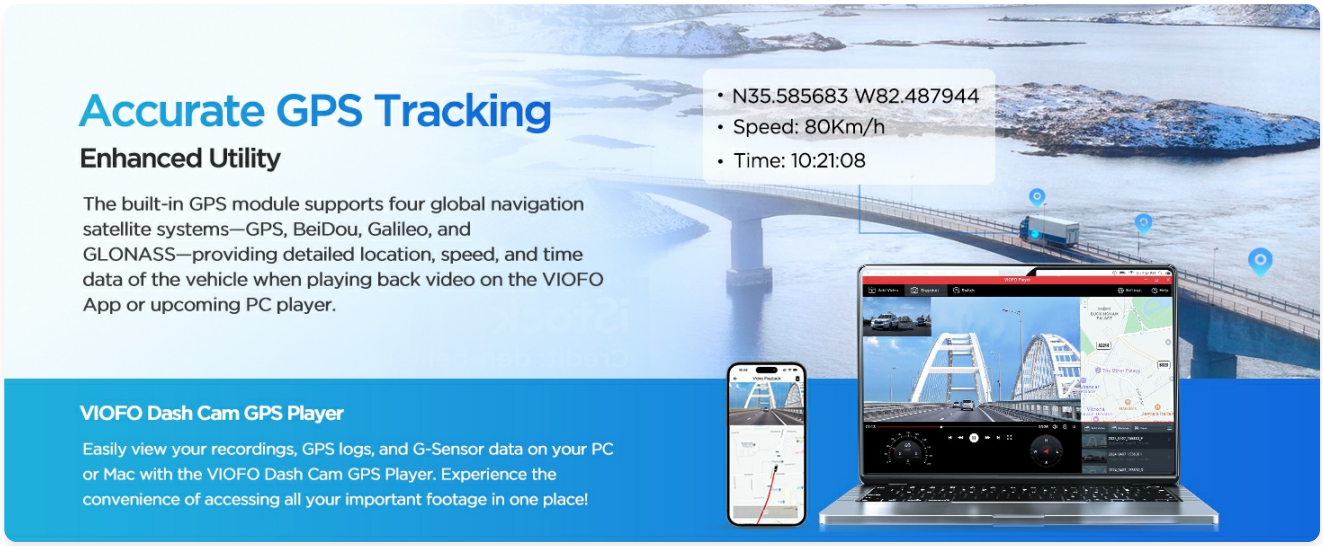


Image: A map interface showing GPS tracking data, including location, speed, and time, as displayed in the VIOFO app or PC player.

Official Product Video

Watch this official video for an overview of the VIOFO A329 4K 60FPS Dash Cam features and capabilities.

Your browser does not support the video tag.

Video: An official product video showcasing the VIOFO A329 4K 60FPS Dash Cam, highlighting its key features and performance.

Setup and Installation

Follow these steps to properly install your VIOFO A329 Dash Cam in your vehicle:

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 for optimal adhesion.
2. **Apply Static Stickers:** Place one of the static windshield stickers on the cleaned area. This helps protect your windshield and makes removal easier.
3. **Attach GPS Module:** If using the GPS module, attach it to the dash cam mount.
4. **Mount the Dash Cam:** Peel the protective film from the 3M adhesive on the dash cam mount and firmly press it onto the static sticker on your windshield. Hold for at least 30 seconds to ensure a strong bond. Position it behind your rearview mirror for an unobstructed view.
5. **Connect Power:** Route the car charger cable neatly along the edge of the windshield and dashboard, using the trim removal tool to tuck it under panels if necessary. Plug the car charger into your vehicle's cigarette lighter socket.
6. **Insert Storage:** Insert a compatible microSD card (up to 512GB) or connect an external SSD (up to 4TB) into the designated slot/port.

7. **Adjust Lens Angle:** Power on the dash cam and adjust the lens angle to ensure it captures the road ahead clearly. You can use the live view feature on the VIOFO app for precise alignment.



Image: Diagram showing the recommended installation location for the dash cam and SSD in a vehicle.

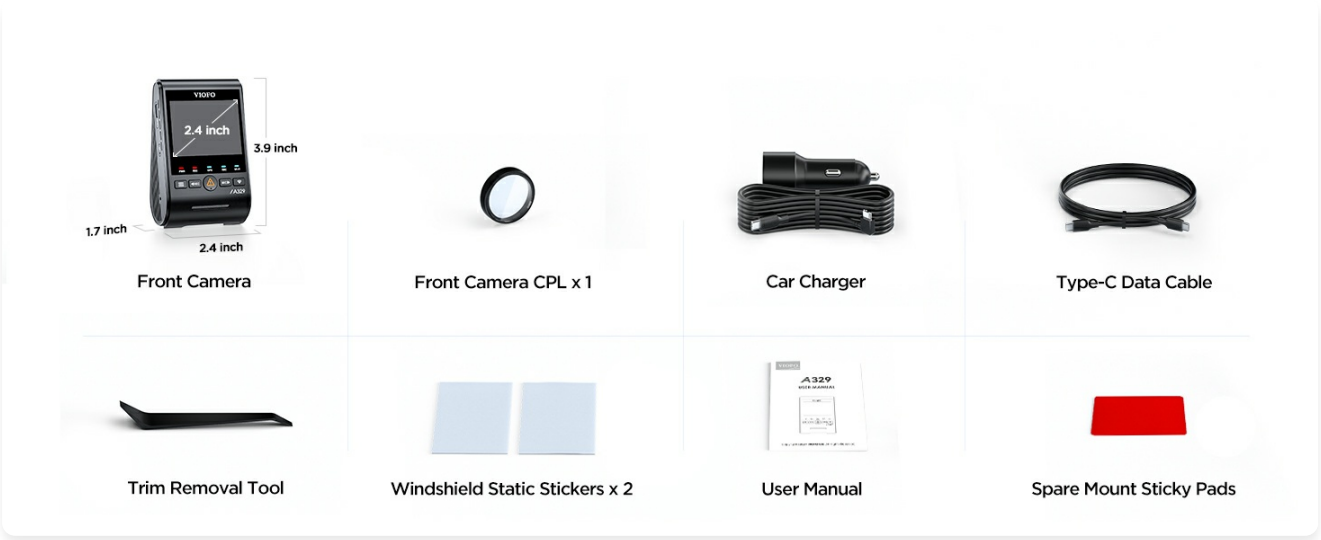


Image: Simplified diagram illustrating the easy installation process of the VIOFO A329 dash cam.

Operating the Dash Cam

Basic Operation

- **Power On/Off:** The dash cam will automatically power on and begin recording when connected to vehicle power. It will power off shortly after the vehicle is turned off.
- **Manual Recording:** Press the REC button to manually start or stop recording.
- **Emergency Lock:** During recording, press the exclamation mark button to manually lock the current video file, preventing it from being overwritten by loop recording.
- **Voice Control:** Use simple voice commands such as "Start recording," "Stop recording," "Take photo," "Turn on Wi-Fi," and "Turn off Wi-Fi."

Wi-Fi and App Control

Download the VIOFO app from your smartphone's app store. Connect to the dash cam's Wi-Fi network (SSID and

password can be found in the dash cam settings). Through the app, you can:

- View live footage.
- Browse and download recorded videos.
- Change dash cam settings.
- Update firmware.

Parking Mode (Requires HK4 Hardwire Kit)

To enable parking mode, the VIOFO HK4 Hardwire Kit is required. Once installed, you can select from the following modes:

- **Auto Event Detection:** Records 15 seconds before and 30 seconds after a detected event (e.g., impact).
- **Time Lapse:** Records continuously at a low frame rate (1/2/3/5/10 fps) without audio, saving storage space.
- **Low Bitrate Recording:** Records continuously in a small file size with audio, maximizing recording duration.

Maintenance

- **Format Storage Regularly:** It is recommended to format your microSD card or SSD every 2-4 weeks to maintain optimal performance and prevent data corruption. This can usually be done through the dash cam's menu or the VIOFO app.
- **Use High Endurance Cards:** For optimal performance and durability, VIOFO highly recommends using VIOFO industrial high endurance microSD cards. These are specifically optimized for dash cam recording.
- **Clean the Lens:** Periodically clean the dash cam lens with a soft, lint-free cloth to ensure clear video quality. Avoid abrasive materials that could scratch the lens.
- **Check Connections:** Ensure all cables and connections are secure to prevent power interruptions or recording issues.
- **Firmware Updates:** Check the VIOFO website or app regularly for firmware updates. Keeping your dash cam's firmware up-to-date ensures the latest features and bug fixes.

Troubleshooting

- **Dash Cam Not Powering On:**
  - Ensure the car charger is properly connected to both the dash cam and the vehicle's power outlet.
  - Check the vehicle's cigarette lighter fuse.
  - Try a different power source or USB cable if available.
- **Recording Issues (Stops Recording, Corrupted Files):**
  - Format the microSD card/SSD regularly.
  - Use a high-quality, high-endurance microSD card from a reputable brand (VIOFO recommended).
  - Check if the storage is full; enable loop recording to automatically overwrite old files.
  - Ensure the firmware is up-to-date.
- **Wi-Fi Connection Problems:**
  - Ensure Wi-Fi is enabled on the dash cam.
  - Restart both the dash cam and your smartphone.
  - Re-enter the Wi-Fi password carefully.

- Move closer to the dash cam for a stronger signal.

- **GPS Not Working:**
  - Ensure the GPS module is properly connected and has a clear view of the sky.
  - Check GPS settings in the dash cam menu to ensure it's enabled.

- **Buttons Unresponsive:**
  - Try resetting the dash cam by pressing the reset button (if available) or disconnecting and reconnecting power.
  - If the issue persists, contact VIOFO support.

Specifications

Feature	Detail
Product Dimensions	1.7 x 2.3 x 3.9 inches
Item Weight	1.14 pounds
Item Model Number	A329 1CH
Connectivity Technologies	USB C, Wi-Fi 6
Special Features	App Control, Built-In GPS, Loop Recording, Voice Control, HDR Night Vision, 24H Parking Mode
Video Capture Resolution	2160p (4K 60FPS)
Storage Support	Up to 4TB SSD & 512GB microSD Card
Image Sensor	STARVIS 2 IMX678
Mounting Type	3M Sticker & Static Windshield Stickers

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.

- **Customer Support:** For any inquiries or assistance, please contact VIOFO support.
- **Email:** support@viofo.com
- **Phone (US):** +1 323 505 9898
- **30-Day Money-Back Guarantee:** If you are not satisfied with your purchase.
- **24/7 Dedicated Customer Support:** Assistance is available around the clock.
- **24-Month Warranty Coverage Extended:** Enjoy extended warranty for your product.
- **Transparency Verified:** Each item has a unique code verified before shipping.



Image: VIOFO customer support details including email, phone, and warranty information.

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