

VIOFO A229 Pro 3CH

VIOFO A229 Pro 3 Channel 4K HDR Dash Cam User Manual

Model: A229 Pro 3CH | Brand: VIOFO

1. INTRODUCTION

The VIOFO A229 Pro 3 Channel Dash Cam is an advanced vehicle recording system designed to capture high-quality video footage from the front, interior, and rear of your vehicle. Equipped with dual Sony STARVIS 2 image sensors (IMX678 and IMX675), it provides 4K resolution for the front camera, 2K for the rear, and 1080P for the cabin camera, ensuring comprehensive coverage and clear details day and night.

Key features include HDR for all three channels, enhanced night vision, hands-free voice control, 5GHz Wi-Fi connectivity, precise GPS logging, and multiple parking modes for 24/7 protection. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your A229 Pro dash cam.



Figure 1.1: VIOFO A229 Pro 3 Channel Dash Cam System Overview.

2. PACKAGE CONTENTS

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

- 1x VIOFO A229 Pro Dash Camera (Front Camera)
- 1x Rear Camera
- 1x Interior Camera
- 1x CPL (Circular Polarizing Lens)
- 1x Car Charger (4m cable)
- 1x Rear Camera Cable (6m)
- 1x Interior Camera Cable (1m)
- 1x Static (Windshield) Sticker

- 1x Rear Mount
- 1x Trim Removal Tool
- 1x GPS Module with sticker
- 1x Type-C Data Cable
- Spare Mount Sticky Pads
- User Manual

Packing List

Rear Camera Cable 6M(19.7ft)

Dash Camera

Packing Box

Interior Camera Cable (1M)

Car Charger

Type-C Data Cable

Trim Removal Tool x1

Windshield Static Stickers x2

CPL

User Manual

Spare Mount Sticky Pads

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

Please note: microSD card is not included, need to buy seperately.

Figure 2.1: VIOFO A229 Pro Packing List.

3. PRODUCT COMPONENTS

The VIOFO A229 Pro system consists of a main front dash camera unit, a rear camera, and an interior cabin camera. Each component is designed for optimal performance and integration within your vehicle.

3.1 Front Dash Camera

The main unit houses the front-facing camera with a Sony STARVIS 2 IMX678 sensor, a 2.4-inch HD screen, control buttons, and ports for power, GPS, and camera connections. It features a rotatable lens for flexible positioning.

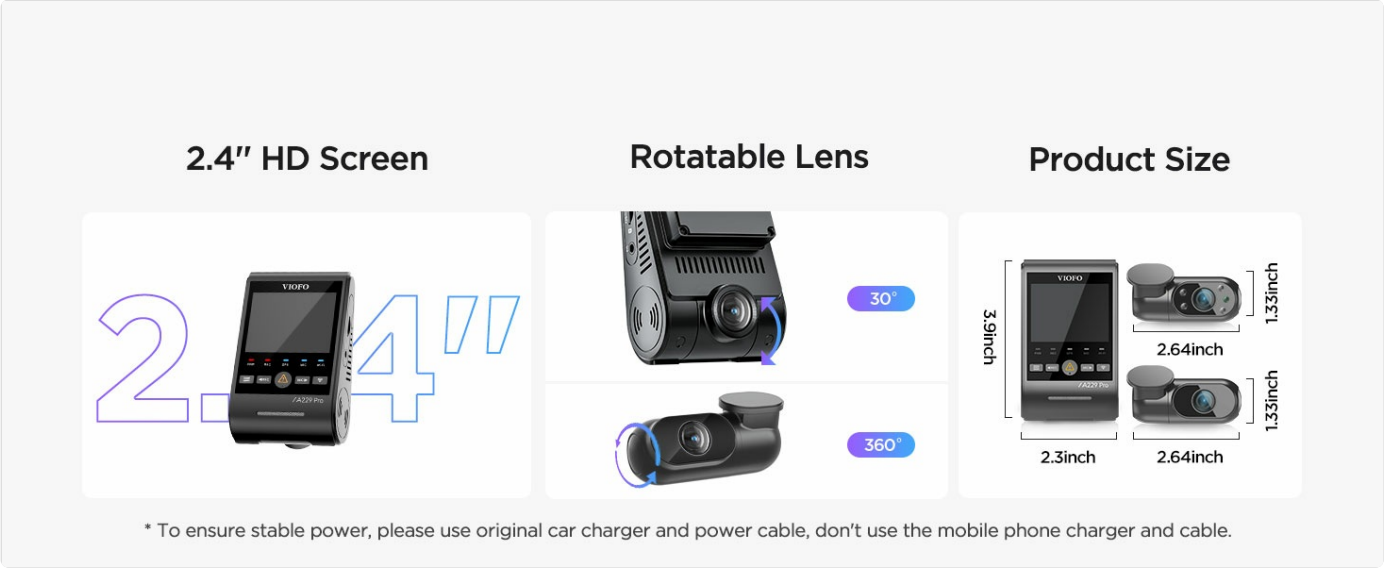


Figure 3.1: Front Dash Camera Features and Dimensions.

3.2 Rear Camera

The rear camera captures 2K resolution footage using a Sony STARVIS 2 IMX675 sensor, providing clear recordings of the road behind your vehicle. It connects to the main unit via the 6-meter rear cable.

Upgraded 2K Rear Cam



Suprior Infrared Cabin Recording

The interior camera uses a Sony STARVIS sensor and HDR technology to capture the entire cabin clearly. It also has an IR light sensor that automatically turns on 4 infrared LED lights in low-light conditions, allowing it to record sharp black-and-white images in total darkness.



Figure 3.2: Rear Camera 2K HDR Recording Capability.

3.3 Interior Camera

The interior camera records 1080P footage of the cabin, utilizing a Sony STARVIS sensor and HDR technology. It features four built-in infrared LED lights that activate in low-light conditions, ensuring clear black-and-white images even in complete darkness.

Upgraded 2K Rear Cam



Suprior Infrared Cabin Recording

The interior camera uses a Sony STARVIS sensor and HDR technology to capture the entire cabin clearly. It also has an IR light sensor that automatically turns on 4 infrared LED lights in low-light conditions, allowing it to record sharp black-and-white images in total darkness.



Figure 3.3: Interior Camera with Infrared Night Vision.

4. SETUP AND INSTALLATION

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

4.1 Preparing the MicroSD Card

The A229 Pro does not include a microSD card. A high endurance U1/U3 speed microSD card (64GB, 128GB, 256GB, or

512GB recommended) is required. Before first use, format the microSD card within the dash cam's settings to ensure compatibility and optimal performance.

4.2 Mounting the Cameras

1. **Front Camera:** Clean the windshield area where the front camera will be mounted. Apply the static windshield sticker first, then attach the front camera's mount to the sticker. Position it centrally, ensuring it does not obstruct your view.
2. **Rear Camera:** Mount the rear camera on the rear windshield, ensuring a clear view. Use the provided static sticker and mount.
3. **Interior Camera:** Attach the interior camera to the main front unit or a suitable location within the cabin that provides a clear view of the interior.

4.3 Wiring and Power Connection

Connect the rear and interior cameras to the main front unit using their respective cables. Route the cables neatly along the vehicle's headliner and A-pillars using the trim removal tool to tuck them away. Connect the car charger to the main unit's Type-C power input and plug it into your vehicle's 12V power outlet.

Important: Always use the original VIOFO car charger and power cable to ensure stable power and prevent issues. Do not use mobile phone chargers or generic USB cables.



Figure 4.1: Dash Cam Wiring Diagram.

4.4 GPS Module Installation

The GPS module is integrated into the front camera mount. Ensure the mount is securely attached to the windshield for optimal GPS signal reception. The GPS module provides vehicle location, speed, and timestamp data for your recordings.

5. OPERATING INSTRUCTIONS

This section details the various functions and modes of your VIOFO A229 Pro dash cam.

5.1 Basic Recording

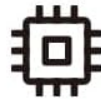
Once powered on, the dash cam will automatically begin recording. The front, rear, and interior cameras will record simultaneously. The recording indicator light on the main unit will confirm active recording.

4K + 2K + 1080P 3-Channel Recording

A229 Pro 3CH dash cam equipped with cutting-edge dual cameras that deploy Sony STARVIS 2 sensors, sets a new benchmark in the industry with its unmatched 4K front and 2K rear recording. Also with a superior STARVIS sensor cabin camera. Delivering excellent video quality and capturing all around details all day and night.

4K+2K+1080P

3 Channels Recording



Dual Sony STARVIS 2

HDR

Support 3 Channels









Figure 5.1: 3-Channel Recording in Action.

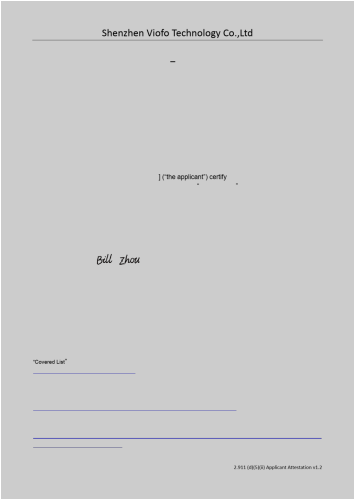
5.2 Voice Control & Notification

The A229 Pro supports hands-free voice commands for common operations. This allows you to manage the dash cam without diverting your attention from the road. The device also provides clear voice notifications for settings adjustments and memory card issues.

- Example Commands:

Related Documents - A229 Pro 3CH

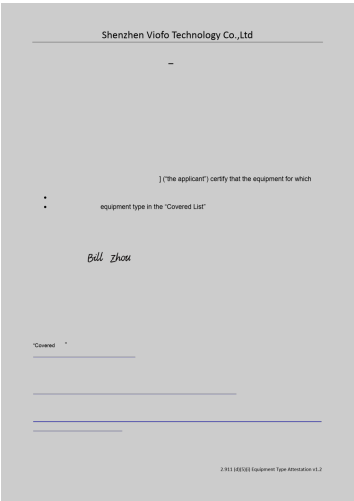
 <p>A229 Pro USER MANUAL</p>	<p>VIOFO A229 Pro Dash Cam User Manual</p> <p>Comprehensive user manual for the VIOFO A229 Pro dash cam, covering installation, operation, settings, and features.</p>
 <p>A119 MINI 2 USER MANUAL</p>	<p>VIOFO A119 MINI 2 User Manual</p> <p>Comprehensive user manual for the VIOFO A119 MINI 2 dash cam, detailing installation, operation, system settings, and features for optimal use.</p>
 <p>A229 Gebruiksaanwijzing</p>	<p>VIOFO A229 Dash Cam Gebruiksaanwijzing en Installatiegids</p> <p>Gedetailleerde gebruiks- en installatiehandleiding voor de VIOFO A229 dashcam, inclusief functies, instellingen, aansluitingen en klantenservice-informatie.</p>
 <p>VS1 USER MANUAL</p>	<p>VIOFO VS1 Dash Camera User Manual and Installation Guide</p> <p>Comprehensive guide to installing, setting up, and using the VIOFO VS1 dash camera, including details on the VIOFO APP and HK4 hardwire kit.</p>
 <p>A129 Duo HANDLEIDING</p>	<p>VIOFO A129 Duo Dash Cam User Manual and Guide</p> <p>Comprehensive user manual for the VIOFO A129 Duo dual-channel dash cam. Learn about installation, operation, system settings, features like GPS, Wi-Fi, and parking mode.</p>
 <p>A129 Plus Duo USER MANUAL</p>	<p>VIOFO A129 Plus Duo User Manual - Installation, Operation, and Settings Guide</p> <p>Comprehensive user manual for the VIOFO A129 Plus Duo dash cam. Learn how to install, operate, and configure your dual-channel dash cam, covering features like Wi-Fi control, parking mode, and firmware updates. Visit VIOFO support for assistance.</p>



[Shenzhen Viofo Technology Co., Ltd. FCC Certification Filing](#)

FCC Section 2.911(d)(5)(ii) certification filing for Shenzhen Viofo Technology Co., Ltd.'s Car Dash Camera, including models A229 Pro, A229 Plus, and their variants. Confirms the applicant is not on the Covered List.

lang:en score:31 filesize: 168.3 K page_count: 2 document date: 2023-09-18

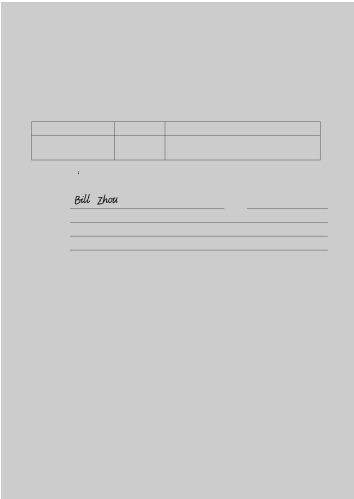


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dell990 Attestation Statements 1 Shenzhen Viofo Technology Co Ltd A229PRO Car Dash Camera 2AMBW 2AMBWA229PRO a229pro

Shenzhen Viofo Technology Co.,Ltd Section 2.911 d 5 i Certification EquipmentType Company name: ... era FCCID: 2AMBW-A229PRO Model s : A229 Pro, A229 Plus, A229 Plus 2CH, A229 Plus 3CH, A229 Pro 2CH, A229 Pro 3CH 2.911 d 5 i EquipmentType We, Shenzhen Viofo Technology Co.,Ltd the applicant ...

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[\[pdf\]](#) Decleration of Conformity

FACSIMILE TRANSMISSION User Family models declaration letter Shenzhen Viofo Technology Co Ltd A229PRO Car Dash Camera 2AMBW 2AMBWA229PRO a229pro

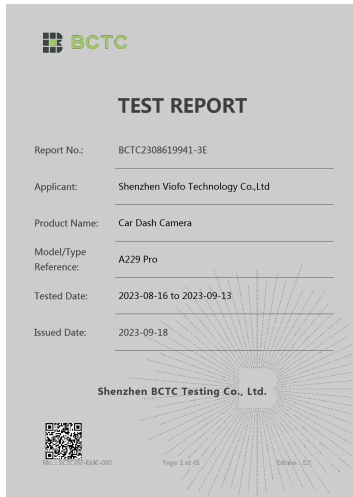
Declaration on model difference All models covered in this report are the same with each other, exce ... Camera Trade name N/A Model no. A229 Pro, A229 Plus, A229 Plus 2CH, A229 Plus 3CH, A229 Pro 2CH, A229 Pro 3CH. Confirmed byShenzhen Viofo Technology Co.,Ltd Signature: Name: Bill Zhou Title: ...

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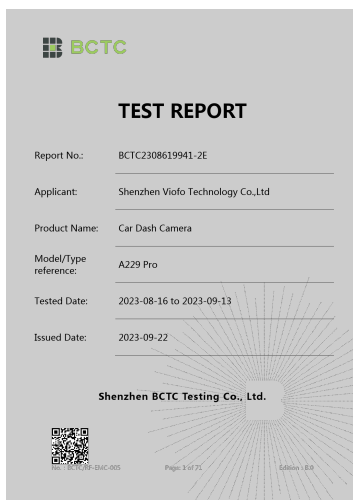
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Jade Test Report 2 Shenzhen Viofo Technology Co Ltd A229PRO Car Dash Camera 2AMBW 2AMBWA229PRO a229pro
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Jade Test Report 1 Shenzhen Viofo Technology Co Ltd A229PRO Car Dash Camera 2AMBW 2AMBWA229PRO a229pro
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