

## Biuone A20 OBD1pcs -BO-US4

# Biuone A20 OBD1pcs -BO-US4 Dash Cam User Manual

Comprehensive guide for installation, operation, and maintenance.

## 1. INTRODUCTION

Thank you for choosing the Biuone A20 OBD1pcs -BO-US4 Dash Cam. This manual provides detailed instructions to help you set up, operate, and maintain your dash camera system. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

## 2. PRODUCT OVERVIEW

### 2.1 Components Included

The package includes the following items:

- Biuone A20 Dash Cam (Front Camera)
- Rear Camera
- OBD Power Cable
- 32GB SD Card
- Suction Cup Mount
- USB Card Reader
- USB Cable
- Pry Tool (for cable routing)

### 2.2 Key Features

- **Dual Camera System:** Records simultaneously from front (170° wide angle) and rear (140° wide angle) cameras.
- **3-Inch IPS Screen:** Provides clear real-time viewing and playback.
- **Loop Recording:** Automatically overwrites the oldest footage when the SD card is full, ensuring continuous recording.
- **G-Sensor:** Detects sudden shakes or collisions and automatically locks the current footage to prevent it from being overwritten.
- **Two Power Modes (OBD Cable):**
  - **Surveillance Mode (24-Hour Parking Monitoring):** Provides continuous power for parking surveillance.

- **ACC Mode:** Powers off the dash cam within 20-30 minutes after the car turns off, based on car voltage detection.
- **Low Voltage Protection:** The OBD power cable features a built-in intelligent program control chip that stops operation if the car battery voltage drops below 11.6V, preventing battery drain. (Note: Not suitable for electric vehicles due to different voltage characteristics.)
- **Plug and Play Installation:** Designed for easy and secure mounting and connection.

## 3. SETUP & INSTALLATION

### 3.1 Front Dash Cam Installation

Mount the dash cam securely to your windshield using the provided suction cup mount. Ensure the camera has a clear view of the road ahead and does not obstruct your driving visibility.



Image: Biuone A20 Dash Cam, rear camera, 32GB SD card, USB card reader, and suction cup mount.



Image: The Biuone A20 Dash Cam connected to the OBD power cable, showing the main components of the system.

### 3.2 OBD Power Cable Connection

The OBD power cable provides power to the dash cam and enables parking monitoring features.

1. **Confirm OBD Position:** Locate your vehicle's OBD-II port, typically found under the dashboard on the driver's side.
2. **Connect with Camera:** Plug the mini USB end of the OBD power cable into the dash cam's power input.
3. **Wiring:** Route the cable neatly along the windshield and dashboard edges, tucking it into seams using the pry tool if necessary, to reach the OBD-II port.
4. **Plug into OBD-II Port:** Insert the OBD connector into your vehicle's OBD-II port.

# Plug and Play

<11.6V, Auto Power-off /Protect function  
16th PIN is positive, 4-5PIN is negative()



Image: Step-by-step guide for installing the OBD power cable, showing the OBD port location and connection to the dash cam.

# ACC Mode/24h Charger



24-Hour  
Mode



ACC  
Mode



Lower  
Voltage



Protection  
Battery



Speedy  
Installation

## Applicable to different models

Function 1: 24-hour parking monitoring.

Function 2: With the car igniting OBD start power supply, the car shut off, OBD stop power supply

Function 3: 24-hour power supply / stop monitoring, battery power-off protection when below 11.6V"

Image: Diagram illustrating the features of the OBD power cable, including 24-hour mode, ACC mode, low voltage protection, battery protection, and speedy installation.

### 3.3 Rear Camera Installation

The rear camera provides a view of the vehicle's rear.

1. **Mounting:** Attach the rear camera to the rear windshield, ensuring a clear view.
2. **Connect to Dash Cam:** Plug the rear camera cable into the AV-IN port on the main dash cam unit.
3. **Reverse Light Connection (Optional):** For reversing mode functionality, connect the red wire from the rear camera cable to your vehicle's reversing lamp positive lead. If reversing mode is not needed, this step can be skipped.
4. **Cable Routing:** Route the rear camera cable neatly from the dash cam to the rear of the vehicle, tucking it under trim panels.



#### Three Ways to Playback:

- 1: Press twice the M button to enter the Playback Mode, press ok button to playback, long press the Up/Down Button to switch the Front/Rear cam recording file
- 2: Use the **USB Cable** connect the dash cam with your PC to Playback and Save your recording file
- 3: Use the SD card insert into the SD Card Reader to connect with your PC to Playback and Save your recording file.

Image: A detailed wiring diagram showing how to connect the front dash cam, rear camera, and OBD power cable, including the optional connection to the reversing lamp.

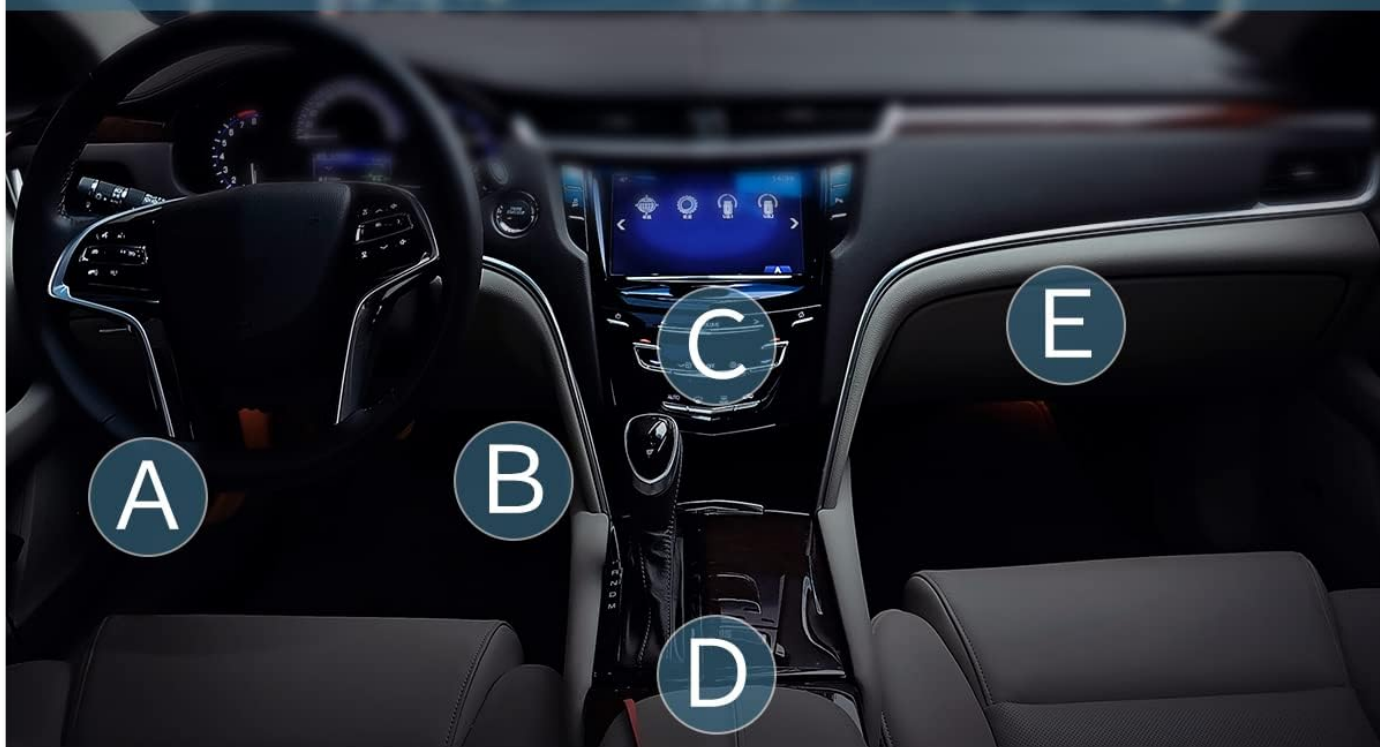
## 4. OPERATION

### 4.1 Power Modes (OBD Cable Switch)

The OBD power cable features a switch to select between two operating modes:

- **Mode "O" (ACC Mode):** The dash cam will power off within 20-30 minutes after the car engine is turned off. This mode is suitable for regular driving without extended parking surveillance.
- **Mode "—" (Surveillance MACC Mode / 24-Hour Parking Monitoring):** This mode provides continuous power to the dash cam for 24-hour parking monitoring, allowing the camera to record events even when the vehicle is parked.

- Mode "O": ACC Mode
- Mode "—": Surveillance MACC Mode



step1: Confirm obd position



step 2: Connect with Camera



step 3: Wiring

Image: Illustration of the two power modes (ACC and Surveillance) selectable via a switch on the OBD power cable.

## 4.2 Recording Functions

- **Loop Recording:** The dash cam continuously records video in short segments (e.g., 1, 3, or 5 minutes). When the SD card is full, the oldest unlocked files are automatically overwritten.
- **G-Sensor (Emergency Recording):** In the event of a sudden impact or collision, the built-in G-sensor will detect the event and automatically lock the current video segment, preventing it from being overwritten by loop recording. These locked files are stored in a separate folder.

# G-sensor & Loop recording



Image: Visual explanation of G-sensor functionality, showing how impact-triggered recordings are locked and protected from loop recording overwrites.

## 4.3 Screen Display Modes

The dash cam supports multiple display modes on its 3-inch IPS screen:

- **Front Only:** Displays only the view from the front camera.
- **Rear Only:** Displays only the view from the rear camera.
- **Front + Rear (Picture-in-Picture):** Displays both views simultaneously, with one main view and a smaller inset view.
- **Front + Rear (1:1 Split Screen):** Displays both views side-by-side with equal size.

You can switch between these display modes using the camera's interface buttons.



Image: Examples of the different screen display modes available on the dash cam: Front only, Rear only, Front + Rear (right corner), and Front + Rear (1:1 split).

## 4.4 Playback

To review recorded footage:

1. **On the Dash Cam:** Press the 'M' button twice to enter Playback Mode. Use the 'OK' button to play, and the 'Up/Down' buttons to switch between front and rear camera files.
2. **Using a PC (USB Cable):** Connect the dash cam to your computer using the provided USB cable. The dash cam will appear as a removable disk, allowing you to access and save recorded files.
3. **Using a PC (SD Card Reader):** Remove the SD card from the dash cam and insert it into the USB card reader. Connect the card reader to your computer to access and save files.

## 5. MAINTENANCE

- **SD Card Management:** Regularly format the SD card (e.g., once a month) to ensure optimal performance and prevent data corruption. Back up important files before formatting.
- **Cleaning:** Use a soft, dry cloth to clean the camera lenses and the screen. Avoid using abrasive cleaners or solvents.
- **Storage:** If the dash cam will not be used for an extended period, store it in a cool, dry place away from direct sunlight.

## 6. TROUBLESHOOTING

| Problem | Possible Cause / Solution |
|---------|---------------------------|
|---------|---------------------------|

| Problem                                  | Possible Cause / Solution                                                                                                                                                                                                                                                                      |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dash cam freezes or malfunctions.        | Insert a needle into the small hole labeled "RES" (Reset button) on the device to perform a hard reset.                                                                                                                                                                                        |
| Rear camera not displaying or recording. | <p>Ensure the rear camera is properly connected to the AV-IN port.</p> <p>Do not use the USB cable as the dash cam's charger if you intend to use the rear camera, as this may interfere with its display.</p> <p>Long press the 'Up' button to find the rear camera file during playback.</p> |
| Dash cam powers off unexpectedly.        | <p>Check the OBD power cable's mode switch. If set to ACC mode, it will power off after the car engine is off for 20-30 minutes.</p> <p>The low voltage protection feature will power off the device if the car battery voltage drops below 11.6V. Ensure your car battery is healthy.</p>     |
| SD card full / Recording stops.          | <p>Ensure loop recording is enabled.</p> <p>Format the SD card regularly.</p> <p>Check if too many files are locked by the G-sensor. Manually delete unnecessary locked files or format the card.</p>                                                                                          |

## 7. SPECIFICATIONS

| Feature                          | Detail                           |
|----------------------------------|----------------------------------|
| Model                            | A20 OBD1pcs -BO-US4              |
| Screen Size                      | 3 Inches (IPS)                   |
| Front Camera Angle               | 170° Wide Angle                  |
| Rear Camera Angle                | 140° Wide Angle                  |
| Video Capture Resolution         | 1080p (30fps)                    |
| Image Resolution                 | 12MP                             |
| Connectivity Technology          | USB                              |
| Flash Memory Type                | SD (32GB included)               |
| Control Method                   | Touch                            |
| Mounting Type                    | Suction Mount                    |
| OBD Power Input                  | 11.6V-30V (for 12V/24V vehicles) |
| OBD Power Output                 | 5V/2.1A                          |
| Low Voltage Protection Threshold | 11.6V                            |

## 8. WARRANTY & SUPPORT

For warranty information, technical support, or any inquiries regarding your Biune A20 OBD1pcs -BO-US4 Dash Cam, please refer to the warranty card included in your product packaging or contact Biune customer service directly through

their official website or the platform where the product was purchased.

**Manufacturer:** Biuone

**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