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Aramox Motorcycle DVR Camera

Aramox Motorcycle DVR Camera Instruction Manual

Model: Motorcycle DVR Camera

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Aramox Motorcycle DVR Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety. This device is designed to record video footage from both the front and rear of your motorcycle, offering enhanced security and incident recording capabilities.

2. Package Contents

Please verify that all items listed below are included in your package:

- 1 x Display Unit
- 1 x User Manual (this document)
- 2 x Camera Modules (Front and Rear)
- 4 x Mounting Screws
- 2 x Gaskets
- 2 x Camera Extension Cables
- 1 x Mounting Bracket
- 1 x Step-Down Line
- 1 x Black Power Cord
- 1 x Remote Control Cable
- 1 x Car Charger
- 1 x Crowbar (for installation assistance)

3. Product Specifications

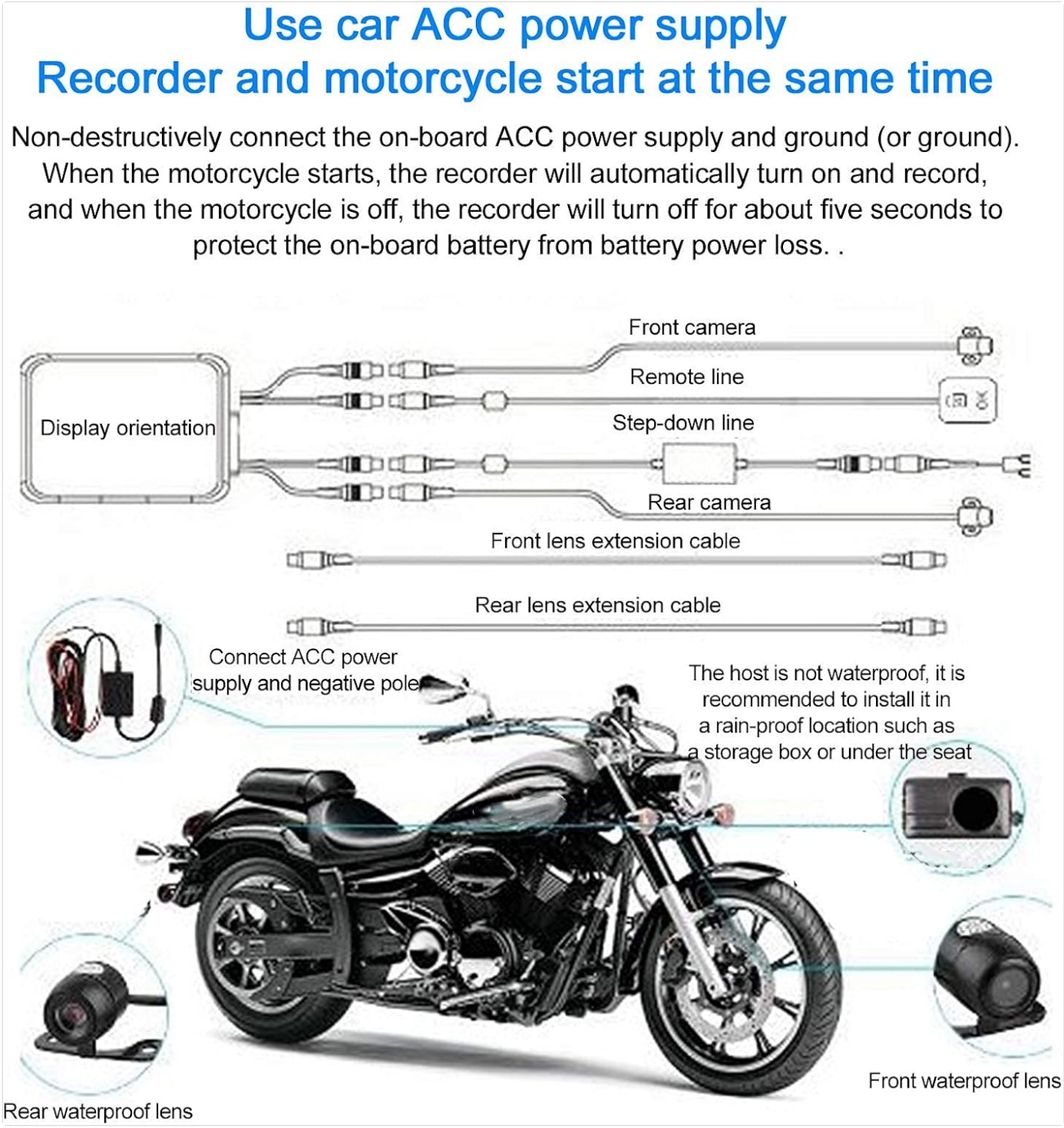
Feature	Specification
Material	ABS + PVC
Camera Installation Position	Front and Rear
Front/Rear Lens	AHD2053/H65/H62/V06
Display Screen	Color 16:9 HD screen
Effective Pixels	1920 x 1080 (Front Camera)
Video Format	MOV
Video Compression	MJPG
Frame Rate	1080P/60f/s
Photo Format	JPEG
Photo Size	Maximum 12M (4032x3024 resolution)
Collision Sensor	Three-axis three-dimensional detection (G-Sensor)
Recording Mode	VGA format, Loop Recording
Intermittent Recording	0ms
Memory Card Support	4GB-32GB
AP Encryption Player	Native system formatting automatically generates an AP player
Start Time	2 seconds
Working Voltage	DC 5V
Working Current	650mA
Quiescent Current	<100uA
Storage Temperature	(-20℃ to 70℃)
Operating Temperature	(0℃ to 60℃)
Operating Humidity	15%-60%RH

4. Setup and Installation

Proper installation is crucial for the optimal performance of your Motorcycle DVR. Follow these steps carefully:

1. **Mount the Display Unit:** Secure the main display unit using the provided mounting bracket in a location that is easily visible but does not obstruct your view while riding. The host unit is not waterproof; it is recommended to install it in a rain-proof location such as a storage box or under the seat.
2. **Install Cameras:** Mount the front and rear camera modules securely. Ensure they have a clear, unobstructed view of the road. The cameras are designed to be waterproof.
3. **Connect Wiring:** Connect the front camera, rear camera, remote control cable, and step-down line to the main display unit.

4. **Power Connection:** Connect the step-down line to your motorcycle's ACC (Accessory) power supply and a negative pole (ground). This allows the DVR to automatically power on and begin recording when the motorcycle starts, and power off approximately 5 seconds after the ignition is turned off, protecting the on-board battery.
5. **Insert Memory Card:** Insert a compatible memory card (4GB-32GB) into the designated slot on the display unit. Ensure it is inserted correctly.



This diagram illustrates the wiring connections for the DVR system, including the front camera, rear camera, remote line, and step-down line, all connecting to the main display unit. It also shows how to connect to the motorcycle's ACC power supply and suggests mounting the main unit in a protected location like a storage box or under the seat, with waterproof cameras mounted at the front and rear.

5. Operating Instructions

Your Aramox Motorcycle DVR Camera is designed for straightforward operation:

5.1 Automatic Recording

Once properly installed and connected to the ACC power, the DVR will automatically power on and begin recording when your motorcycle starts. It will automatically shut down approximately 5 seconds after the motorcycle's ignition is turned off.

5.2 Loop Recording

The DVR features continuous loop recording. When the memory card reaches its full capacity, the system will automatically overwrite the oldest video files to make space for new recordings. This ensures uninterrupted recording without manual intervention.

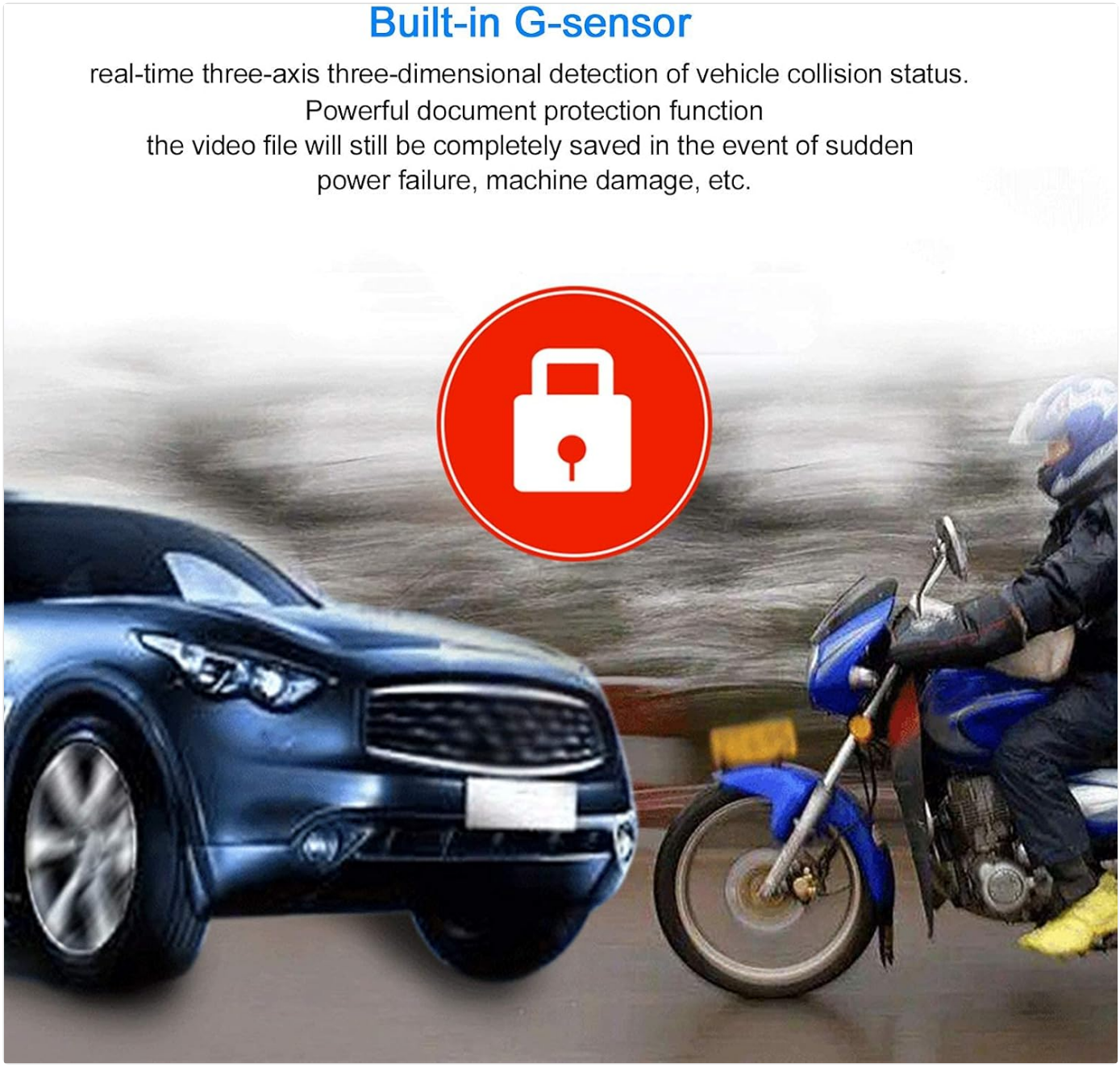


This image demonstrates the main display unit of the DVR system along with the two camera modules. The film strip graphic visually represents the continuous loop recording feature, where older footage is automatically overwritten when the memory card is full.

5.3 G-Sensor (Collision Detection)

The built-in three-axis G-sensor detects sudden impacts or collisions. In the event of an abnormal collision, the DVR will automatically initiate emergency video recording and lock the corresponding video file. Locked files will not be overwritten

by the loop recording function, preserving critical evidence.



This image highlights the built-in G-sensor functionality. In the event of a sudden collision or impact, the G-sensor automatically detects the event and locks the current video file, preventing it from being overwritten during loop recording, thus preserving critical incident footage.

5.4 Remote Control Functions

The waterproof remote control provides convenient access to key functions:

- **Camera Button / Lock Button:** A short press takes a photo. A long press locks the current recording file (only available in video mode).
- **Reminder Light:** Illuminates normally when powered on and flashes during active recording.
- **Confirm Key (OK):** Used to start or stop recording.



This image displays the waterproof remote control unit. It features a camera button for taking photos and locking files, a reminder light that flashes during recording, and a confirm key to start or stop recording. The waterproof design ensures functionality in various weather conditions.

5.5 Other Functions

- **Manual Recording Control:** Supports temporary manual closing and opening of recordings.
- **Screen Auto-Off:** The screen can be set to automatically turn off after a set time without affecting the ongoing recording process.
- **File Integrity:** In case of sudden power failure or machine damage, video files are designed to be completely saved.

6. Maintenance

To ensure the longevity and optimal performance of your DVR camera, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the camera lenses and display screen with a soft, dry cloth. Avoid abrasive cleaners or

solvents.

- **Memory Card:** Periodically format your memory card (e.g., once a month) to prevent data corruption and ensure smooth recording. Back up any important files before formatting.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion or damage.
- **Storage:** When not in use for extended periods, store the DVR in a cool, dry place within the specified storage temperature range (-20°C to 70°C).

7. Troubleshooting

If you encounter issues with your Aramox Motorcycle DVR Camera, refer to the following common problems and solutions:

- **DVR Not Powering On:**
  - Check all power connections, especially the ACC power supply and ground.
  - Ensure the motorcycle's ignition is on.
  - Verify the step-down line is correctly installed and functioning.
- **Recording Issues (No Recording / Intermittent Recording):**
  - Ensure a compatible memory card (4GB-32GB) is inserted correctly.
  - Format the memory card. If issues persist, try a different memory card.
  - Check if the memory card is full; loop recording should prevent this, but a faulty card might not overwrite.
  - Ensure camera cables are securely connected.
- **Poor Video Quality:**
  - Clean camera lenses.
  - Ensure cameras are securely mounted and not vibrating excessively.
- **Remote Control Not Responding:**
  - Check the remote control cable connection to the main unit.
- **Memory Card Difficult to Insert/Remove:**
  - Ensure you are inserting the card in the correct orientation. Do not force the card. If persistent difficulty occurs, inspect the slot for obstructions.

8. Warranty and Support

For any questions, technical support, or warranty inquiries regarding your Aramox Motorcycle DVR Camera, please contact Aramox customer service through the retailer where you purchased the product or visit the official Aramox website for support information. Please retain your proof of purchase for warranty claims.

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