

## Somikon DV-1212

# Somikon HD Action Camera DV-1212 V2 User Manual

Model: DV-1212 V2

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Somikon HD Action Camera DV-1212 V2. Please read this manual thoroughly before operating the device and retain it for future reference.

The Somikon DV-1212 V2 is designed to capture high-definition videos and photos in various environments, including underwater, thanks to its IP68-rated waterproof casing.

## 2. PACKAGE CONTENTS

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

- Somikon HD Action Camera DV-1212 V2
- Waterproof Protective Casing
- Rechargeable Li-ion Battery (900 mAh)
- Micro USB Charging Cable
- Set of Mounting Accessories (e.g., handlebar mount, helmet mount, straps)
- User Manual (this document)



Image 2.1: All components included with the Somikon DV-1212 V2 Action Camera, including the camera, waterproof case, various mounts, and cables.

### 3. PRODUCT OVERVIEW

Familiarize yourself with the camera's components and controls.

#### 3.1 Camera Components



Image 3.1: Various views of the Somikon DV-1212 V2 camera, highlighting the lens, power/mode button, OK button, navigation buttons, USB port, and MicroSD slot.

1. **Lens:** Captures images and video.
2. **Power/Mode Button:** Press and hold to power on/off. Press briefly to switch modes (Video, Photo, Playback).
3. **OK Button:** Confirms selections or starts/stops recording/photo capture.
4. **Up/Down Navigation Buttons:** Used for menu navigation and digital zoom.
5. **Micro USB Port:** For charging and data transfer.
6. **MicroSD Card Slot:** Insert memory card here.
7. **LCD Screen (2 inches):** Displays live view, menu, and playback.
8. **Microphone:** Records audio.
9. **Speaker:** For audio playback.

### 3.2 Waterproof Casing



*Image 3.2: The Somikon DV-1212 V2 camera securely enclosed within its waterproof protective casing, attached to a mounting accessory.*

The waterproof casing protects the camera from water, dust, and impacts, allowing operation up to 30 meters depth. Ensure the casing is properly sealed before use in wet or dusty environments.

## 4. SETUP

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### 4.1 Battery Installation and Charging

1. Open the battery compartment cover on the bottom of the camera.
2. Insert the 900 mAh Li-ion battery, ensuring correct polarity.
3. Close the battery compartment cover securely.
4. Connect the camera to a USB power source (e.g., computer, USB wall adapter) using the provided Micro USB cable to charge. The charging indicator light will illuminate.
5. Charging is complete when the indicator light turns off.

### 4.2 MicroSD Card Installation

A MicroSD (HC) card (up to 32GB, not included) is required for recording videos and photos.

1. Locate the MicroSD card slot on the side of the camera.
2. Insert the MicroSD card with the gold contacts facing the back of the camera until it clicks into place.
3. To remove, gently push the card until it springs out.

*Note: Format the MicroSD card in the camera's settings menu before first use to ensure optimal performance.*

### 4.3 Attaching the Waterproof Casing

1. Open the latch on the top of the waterproof casing.
2. Carefully place the camera inside the casing, ensuring it fits snugly.
3. Close the latch firmly until it clicks, creating a watertight seal.
4. Before submerging, perform a leak test by placing the empty casing in water for a few minutes.

### 4.4 Using Mounting Accessories

The camera comes with various mounts for different activities. Attach the camera (either directly or within its waterproof casing) to the desired mount using the provided screws and adapters. Ensure all connections are secure before use.



*Image 4.1: The Somikon DV-1212 V2 Action Camera in its waterproof housing, attached to a handlebar mount, demonstrating a typical setup for outdoor activities.*

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

- **To Power On:** Press and hold the Power/Mode button for approximately 3 seconds. The screen will illuminate.
- **To Power Off:** Press and hold the Power/Mode button for approximately 3 seconds. The screen will turn off.

### 5.2 Mode Selection

After powering on, press the Power/Mode button briefly to cycle through the available modes:

1. **Video Recording Mode:** Indicated by a video camera icon.

2. **Photo Mode:** Indicated by a camera icon.
3. **Playback Mode:** Indicated by a play icon.
4. **Settings Menu:** Indicated by a gear icon.

### 5.3 Recording Video

1. Switch to Video Recording Mode.
2. Press the OK button to start recording. A red dot or timer will appear on the screen.
3. Press the OK button again to stop recording. The red dot or timer will disappear.

*Note: The camera supports loop recording with selectable durations (1, 2, 5, or 10 minutes).*

### 5.4 Taking Photos

1. Switch to Photo Mode.
2. Frame your shot using the LCD screen.
3. Press the OK button to take a photo.

*Note: Burst photo function allows 3, 5, or 10 images in quick succession. Self-timer options are 2, 5, or 10 seconds.*

### 5.5 Playback Mode

1. Switch to Playback Mode.
2. Use the Up/Down navigation buttons to browse through your recorded videos and photos.
3. Press the OK button to play a video or view a photo in full screen.

### 5.6 Settings Menu

Access the Settings Menu to adjust various camera parameters.

1. Switch to Settings Menu mode.
2. Use the Up/Down navigation buttons to scroll through menu options.
3. Press the OK button to select an option or enter a sub-menu.
4. Press the Power/Mode button to exit a sub-menu or the main menu.

Common settings include: Video Resolution, Photo Resolution, Loop Recording, Exposure, Date/Time, Language, Format SD Card, Motion Detection, Self-Timer.

### 5.7 Webcam Function

The Somikon DV-1212 V2 can be used as a webcam for your PC.

1. Ensure the camera is powered off.
2. Connect the camera to your computer using the Micro USB cable.
3. The camera should be recognized as a webcam by your operating system.
4. Select the camera as your video input device in your video conferencing software.

*Note: In webcam mode, only video is transmitted. An external microphone is required for audio input.*

## 6. MAINTENANCE

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### 6.1 Cleaning

- Wipe the camera body and waterproof casing with a soft, damp cloth.
- For the lens, use a specialized lens cleaning cloth and solution to avoid scratches.

- After using the waterproof casing in saltwater, rinse it thoroughly with fresh water and allow it to air dry.

## 6.2 Storage

- Store the camera in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove the battery if the camera will not be used for an extended period.

## 7. TROUBLESHOOTING

| Problem                          | Possible Cause                                           | Solution                                                                                       |
|----------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Camera does not power on.        | Battery is depleted or incorrectly installed.            | Charge the battery. Ensure the battery is inserted with correct polarity.                      |
| Cannot record video/take photos. | MicroSD card is full, not inserted, or corrupted.        | Insert a MicroSD card. Format the card. Delete unnecessary files.                              |
| Poor video/photo quality.        | Lens is dirty. Incorrect settings. Low light conditions. | Clean the lens. Adjust video/photo resolution settings. Ensure adequate lighting.              |
| Water leakage in casing.         | Casing not properly sealed. Damaged O-ring.              | Ensure the latch is fully closed. Check the O-ring for debris or damage. Replace if necessary. |
| Webcam function has no audio.    | Camera does not transmit audio in webcam mode.           | This is normal operation. Use an external microphone for audio input.                          |

## 8. SPECIFICATIONS

|                          |                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------|
| <b>Model:</b>            | DV-1212 V2                                                                                   |
| <b>Video Resolution:</b> | 1280 x 720 (HD / 720p) at 30 fps; 1920 x 1080 (Full HD, interpolated) at 15 fps              |
| <b>Photo Resolution:</b> | Up to 12 Megapixels (12M/10M/8M/5M/3M/2M/1.3M/0.3M)                                          |
| <b>Lens Angle:</b>       | 140° Wide-Angle                                                                              |
| <b>Display:</b>          | 2-inch (5.1 cm) Color LCD Screen                                                             |
| <b>Waterproof Depth:</b> | Up to 30 meters (with IP68 waterproof casing)                                                |
| <b>Storage:</b>          | MicroSD (HC) card up to 32 GB (not included)                                                 |
| <b>Battery:</b>          | Removable 900 mAh Li-ion (3.7 V)                                                             |
| <b>Connectivity:</b>     | Micro USB 2.0                                                                                |
| <b>Aperture:</b>         | 2.8 Millimeters                                                                              |
| <b>Weight:</b>           | Approximately 279.1 Grams (with battery)                                                     |
| <b>Special Features:</b> | Motion Detection, Loop Recording, Webcam Function (video only), Compatible with GoPro mounts |

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or visit the official Somikon website. Information regarding software updates and spare parts availability is not provided in this manual.

**Manufacturer:** Somikon

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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.

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**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