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Explore Scientific 80-83003

Explore Scientific National Geographic 4K WiFi Waterproof Action Camera User Manual

INTRODUCTION

Welcome to the user manual for your Explore Scientific National Geographic 4K WiFi Waterproof Action Camera. This guide provides essential information on setting up, operating, maintaining, and troubleshooting your camera to ensure optimal performance. This versatile camera is designed to capture your adventures in stunning 4K video and 20MP photos, featuring a waterproof design, 6-axis stabilization, and WiFi connectivity.

WHAT'S IN THE BOX

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

- 4K WiFi Waterproof Action Camera
- Waterproof Case
- Rechargeable Battery (1 Lithium Ion battery)
- USB Cable
- Remote Control
- Handlebar/Pole Mount
- Frame Mount
- Straps
- Release Buckle Mount with Thumb Screw
- Short Pivot Mount with Thumb Screw
- Adapter
- Flat Adhesive Mount
- Extra Adhesive Pads



Image: All components and accessories laid out, including the camera, waterproof case, various mounts, remote, and cables.

PRODUCT OVERVIEW

Camera Body



Image: The action camera without its waterproof case, showing the lens, front panel, and side buttons.

The camera features a compact design with a prominent lens on the front. Control buttons are located on the top and sides for easy access.

Back Display and Controls



Image: The rear of the camera, displaying the screen and the 'Mode' and 'Shutter/OK' buttons on the top. The back of the camera features a display screen for viewing footage, navigating menus, and adjusting settings. On the top, you will find the **Mode** button to cycle through camera functions and the **Shutter/OK** button to start/stop recording or confirm selections. Side buttons typically control navigation (Up/Down) within menus.

Ports and Slots



Image: The side of the camera with the protective cover open, revealing the USB and HD Out ports.

On one side, a protective cover conceals the USB port for charging and data transfer, and an HD Out port for connecting to external displays. The Micro SD card slot is also located in this area, typically beneath the battery compartment or adjacent to the ports.

SETUP

1. Battery Installation

1. Locate the battery compartment on the camera, usually on the bottom or side.
2. Open the compartment cover.
3. Insert the included Lithium Ion battery, ensuring the correct orientation according to the polarity indicators.
4. Close the battery compartment cover securely.

2. Micro SD Card Insertion

A Micro SD card (not included) is required for storing photos and videos. The camera supports Micro SD flash

memory.

1. Open the side port cover.
2. Locate the Micro SD card slot.
3. Insert the Micro SD card with the contacts facing the correct direction until it clicks into place.
4. Close the port cover to protect against dust and moisture.

3. Charging the Battery

1. Connect the camera to a power source using the provided USB cable.
2. The charging indicator light will illuminate.
3. Once fully charged, the indicator light will change or turn off.

4. Using the Waterproof Case



Image: The action camera securely enclosed within its transparent waterproof housing, ready for use.

The camera is IPX8 waterproof up to 19.5 feet (6 meters) without the case. For depths up to 131 feet (40 meters), use the included waterproof case.

1. Ensure the camera is clean and dry before placing it in the case.
2. Open the latch on the waterproof case.
3. Carefully insert the camera, ensuring it fits snugly.
4. Close the latch firmly to create a watertight seal.
5. Before first use in water, perform a leak test with the case empty.

5. Attaching Mounts

Various mounts are included to secure your camera in different scenarios. Refer to the specific mount instructions for proper attachment to handlebars, helmets, or other surfaces.

OPERATING THE CAMERA

Power On/Off

- To power on: Press and hold the **Shutter/OK** button for a few seconds.
- To power off: Press and hold the **Shutter/OK** button again until the camera shuts down.

Mode Selection

Press the **Mode** button to cycle through the available modes:

- **Video Mode:** For recording video footage (up to 4K at 60fps).
- **Photo Mode:** For capturing still images (up to 20MP).
- **Playback Mode:** To review recorded videos and photos.
- **Settings Menu:** To adjust camera parameters.

Recording Video

1. Switch to Video Mode using the **Mode** button.
2. Press the **Shutter/OK** button to start recording. A red indicator light will typically flash.
3. Press the **Shutter/OK** button again to stop recording.

Capturing Photos

1. Switch to Photo Mode using the **Mode** button.
2. Press the **Shutter/OK** button to take a photo.

WiFi Connectivity and App Control

The camera features WiFi connectivity for remote control and content management via a mobile app (available for iOS and Android).

1. Enable WiFi on your camera through the settings menu.
2. Download and install the dedicated app on your smartphone or tablet.
3. Connect your mobile device to the camera's WiFi network (SSID and password usually displayed on the camera screen).
4. Use the app for live preview, camera controls, playback, and downloading media directly to your device.

Using the Remote Control

The included remote control allows for convenient operation from a distance.

- Ensure the remote control is paired with the camera (refer to camera settings for pairing instructions).

- Use the remote's buttons to start/stop recording or take photos without directly touching the camera.

MAINTENANCE

Cleaning

- **Camera Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Avoid abrasive materials.
- **Camera Body:** Wipe with a soft, damp cloth. Do not use harsh chemicals.
- **Waterproof Case:** Rinse with fresh water after use in saltwater and allow to air dry. Ensure the seal is free of debris.

Battery Care

- Store batteries in a cool, dry place.
- Avoid fully discharging the battery for extended periods.
- If storing for a long time, charge the battery to about 50% capacity.

Storage

When not in use, store the camera and accessories in a protective case in a dry, dust-free environment away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

- **Camera not turning on:** Ensure the battery is charged and correctly inserted.
- **Cannot record:** Check if a Micro SD card is inserted and has sufficient free space. Ensure the card is formatted correctly.
- **Poor video/photo quality:** Clean the lens. Ensure adequate lighting. Check resolution settings.
- **WiFi connection issues:** Ensure WiFi is enabled on the camera and your mobile device. Re-enter the password if necessary. Try restarting both devices.
- **Waterproof case leak:** Inspect the rubber seal for dirt, hair, or damage. Ensure the latch is fully closed.

If problems persist, contact customer support for further assistance.

SPECIFICATIONS

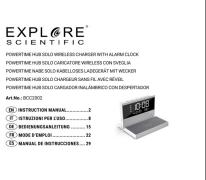
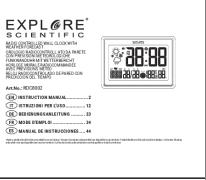
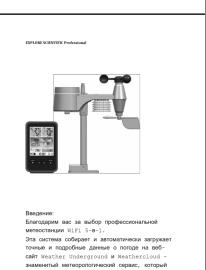
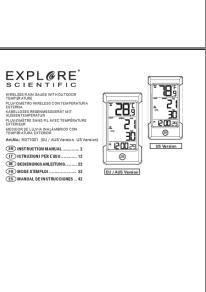
Feature	Specification
Brand	Explore Scientific
Model Number	80-83003
Video Capture Resolution	4K
Photo Sensor Technology	CMOS
Flash Memory Type	Micro SD
Connectivity Technology	USB, Wi-Fi
Special Feature	Waterproof (IPX8 up to 6m, 40m with case)

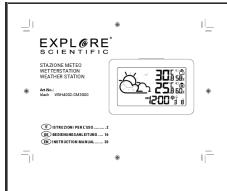
Batteries	1 Lithium Ion battery (included)
Video Capture Format	MOV
Supported Audio Format	AAC, MP3, PCM

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official Explore Scientific website. If you encounter any issues not covered in this manual, please contact their customer service for assistance.

Related Documents - 80-83003

	<p>Explore Scientific PowerTime Hub Solo Wireless Charger with Alarm Clock BCC2002 User Manual</p> <p>User manual for the Explore Scientific PowerTime Hub Solo Wireless Charger with Alarm Clock (Model BCC2002). Features include wireless charging, alarm clock, night light, temperature display, and safety information.</p>
	<p>Explore Scientific RDC8002 Radio Controlled Wall Clock with Weather Forecast User Manual</p> <p>User manual for the Explore Scientific RDC8002 radio controlled wall clock. Learn about setup, features like weather forecasting, time synchronization, and product specifications.</p>
	<p>Explore Scientific 5-in-1 WiFi Professional Weather Station WSX1001 User Manual</p> <p>Comprehensive user manual for the Explore Scientific 5-in-1 WiFi Professional Weather Station (Art. No. WSX1001). Learn about setup, features, maintenance, and specifications for accurate local weather monitoring.</p>
	<p>Explore Scientific Professional WiFi 5-B-1 Метеостанция: Обзор и Руководство</p> <p>Подробное руководство по профессиональной метеостанции Explore Scientific WiFi 5-B-1. Узнайте о функциях, установке, подключении к Weather Underground и Weathercloud, а также о мониторинге погоды.</p>
	<p>Explore Scientific RGT1001 Wireless Rain Gauge User Manual</p> <p>User manual for the Explore Scientific RGT1001 Wireless Rain Gauge with Outdoor Temperature, providing setup, operation, and maintenance instructions.</p>



[Explore Scientific WSH4002-CM3000 Weather Station User Manual](#)

Comprehensive user manual for the Explore Scientific WSH4002-CM3000 weather station, detailing setup, operation, features, and specifications for indoor and outdoor temperature, humidity, and weather forecasting.