Ricoh WG-7

Ricoh WG-7 Digital Camera User Manual

Model: WG-7

1. Introduction and Overview

The Ricoh WG-7 is a robust and versatile digital camera designed for use in challenging outdoor environments. It features a 20-megapixel 1/2.3" CMOS sensor, capable of capturing high-resolution photos and 4K video. Engineered for durability, the WG-7 is waterproof up to 20 meters (65.6 feet) for two hours, shockproof against drops from 2.1 meters (6.9 feet), freezeproof down to -10°C (14°F), and crushproof up to 100 kgf (220 lbf). Its compact design and intuitive controls make it suitable for adventurers, divers, hikers, and anyone needing a reliable camera in extreme conditions.



Figure 1.1: The Ricoh WG-7 Digital Camera shown with its bundled accessories, including a memory card, tripod, and camera bag.

Key features include a 5x optical zoom lens, a 3-inch LCD monitor for clear viewing, and a built-in ring light around the lens for macro photography. The camera's design prioritizes ease of use, even when wearing gloves, making it an ideal companion for documenting active lifestyles without compromise.

2. Package Contents

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

- Ricoh WG-7 Digital Camera (Red)
- Rechargeable Li-ion Battery (DB-110)
- USB Power Adapter
- USB-C Cable
- Strap
- Macro Stand
- 128GB Memory Card
- USB Card Reader
- 72" Tripod

- Flexible Tripod
- Protective Memory Card Case
- Wall Plug
- Camera Bag
- Video Cable
- Photo Editing Software
- Cleaning Kit

3. Product Features

The Ricoh WG-7 is engineered with several features to enhance its performance and durability in challenging environments:

- **Rugged Construction:** Waterproof to 20m (65.6ft), shockproof from 2.1m (6.9ft), freezeproof to -10°C (14°F), and crushproof up to 100kgf.
- **High-Resolution Imaging:** 20MP 1/2.3" CMOS sensor for sharp images and 4K video recording.
- **5x Optical Zoom Lens:** Covers a versatile focal range for various shooting scenarios.
- **Built-in Ring Light:** Six LED lights around the lens provide uniform illumination for macro photography.
- **3.0-inch LCD Monitor:** Bright and clear display for framing shots and reviewing content.
- **Digital Microscope Mode:** Allows for extreme close-up photography with enhanced detail.
- **Underwater Mode:** Optimized settings for capturing vibrant images and videos underwater.



Figure 3.1: Front view of the Ricoh WG-7 camera, highlighting the lens, ring light, and flash.



Figure 3.2: Rear view of the Ricoh WG-7 camera, showing the LCD screen and control buttons.



Figure 3.3: The Ricoh WG-7 camera demonstrating its waterproof capability, partially submerged in water.

4. Setup

4.1. Inserting the Battery and Memory Card

1. Locate the battery/memory card compartment cover on the side of the camera.
2. Slide the lock release and open the cover. Ensure the cover is fully open.
3. Insert the rechargeable Li-ion battery (DB-110) into the battery slot with the correct orientation, as indicated by the diagram inside the compartment.
4. Insert the 128GB memory card into the memory card slot until it clicks into place. Ensure the card is inserted correctly to avoid damage.
5. Close the compartment cover firmly until it clicks, ensuring it is securely locked to maintain waterproof integrity.

4.2. Charging the Battery

1. Connect the USB-C cable to the camera's USB port.
2. Connect the other end of the USB-C cable to the provided USB Power Adapter.
3. Plug the USB Power Adapter into a wall outlet.
4. The charging indicator light on the camera will illuminate during charging and turn off when charging is complete.

4.3. Initial Power On and Settings

1. Press and hold the Power button until the LCD screen turns on.
2. Follow the on-screen prompts to set the date, time, and language.
3. Adjust any other initial settings as desired, such as time zone or display brightness.

5. Operating Instructions

5.1. Basic Camera Operation

- **Power On/Off:** Press the **Power** button located on the top of the camera.
- **Shutter Button:** Press halfway to focus, press fully to take a picture.
- **Zoom Lever:** Use the T (Telephoto) and W (Wide) buttons on the back of the camera to adjust the optical zoom.
- **Mode Dial:** Rotate the mode dial on the top of the camera to select different shooting modes (e.g., Auto, Program, Scene Modes).
- **Menu Button:** Press the **MENU** button to access camera settings and options. Use the directional pad to navigate and the **OK** button to confirm selections.

5.2. Photography Modes

The WG-7 offers various shooting modes to suit different conditions:

- **Auto Mode:** The camera automatically optimizes settings for most shooting situations.
- **Program AE Mode:** Allows manual control over ISO, white balance, and other settings while the camera sets aperture and shutter speed.
- **Scene Modes:** Pre-set modes for specific scenarios like Portrait, Landscape, Night Scene, and Underwater. Select the appropriate scene mode for optimal results.
- **Digital Microscope Mode:** For extreme close-up shots, utilizing the ring light for illumination.

5.3. Video Recording

To record videos:

1. Set the mode dial to the video recording icon.
2. Press the dedicated **Record** button (red dot) to start recording.
3. Press the **Record** button again to stop recording.
4. The WG-7 supports 4K video recording for high-quality footage.

5.4. Playback and Review

To view your photos and videos:

1. Press the **Playback** button (triangle icon).
2. Use the directional pad to scroll through your images and videos.
3. Press the **OK** button to view a video or zoom into a photo.
4. Press the **Playback** button again to exit playback mode.

5.5. Data Transfer

To transfer files to a computer:

1. Connect the camera to your computer using the provided USB-C cable.
2. The camera will appear as a removable drive on your computer.

3. Drag and drop files from the camera's memory card to your computer.
4. Alternatively, use the provided USB Card Reader for faster transfer by inserting the memory card directly into the reader and then into your computer.

6. Maintenance and Care

- **Cleaning:** Use a soft, lint-free cloth to clean the camera body and LCD screen. For the lens, use a lens cleaning solution and a microfiber cloth. Avoid abrasive materials.
- **Waterproof Care:** After using the camera in water, rinse it thoroughly with fresh water to remove salt, sand, or chlorine. Ensure all compartment covers are clean and free of debris before closing. Do not open compartments when the camera is wet.
- **Battery Care:** Store the battery in a cool, dry place when not in use. Avoid fully discharging the battery frequently to prolong its lifespan.
- **Storage:** When storing the camera for extended periods, remove the battery. Store in a dry, well-ventilated area away from direct sunlight and extreme temperatures.

7. Troubleshooting

Problem	Possible Cause	Solution
Camera does not power on.	Battery is depleted or incorrectly inserted.	Charge the battery fully. Ensure the battery is inserted with the correct orientation.
Images are blurry.	Lens is dirty, camera shake, or incorrect focus.	Clean the lens. Hold the camera steady or use a tripod. Ensure the camera is properly focused.
Memory card error.	Memory card is full, corrupted, or incompatible.	Delete unnecessary files or use a new card. Format the card (this will erase all data). Ensure the card is compatible.
Water inside camera.	Compartment cover not properly sealed.	Immediately power off the camera, remove battery and memory card. Contact customer support. Do not attempt to dry or use.

8. Specifications

Feature	Detail
Product Dimensions	1.14 x 4.85 x 2.44 inches
Item Weight	1.24 pounds
ASIN	B0FMHFN4J5
Manufacturer	Ricoh
Sensor Type	20MP 1/2.3" CMOS
Optical Zoom	5x
Video Resolution	4K

Feature	Detail
Waterproof Depth	Up to 20 meters (65.6 feet) for 120 minutes
Freezeproof	Down to -10°C (14°F)
Shockproof Height	Up to 2.1 meters (6.9 feet)
LCD Screen	3.0-inch

9. Warranty and Support

For warranty information and technical support, please refer to the official Ricoh website or contact Ricoh customer service directly. Keep your proof of purchase for warranty claims.

Ricoh Official Website: https://www.ricoh-imaging.co.jp/english/

Please note that warranty terms may vary by region and retailer. This manual provides general operational guidelines and does not supersede specific warranty documentation.

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