Pentax WG-2

Pentax Optio WG-2 Digital Camera User Manual
Model: WG-2

1. INTRODUCTION

The Pentax Optio WG-2 is a rugged digital camera designed for durability and performance in challenging environments. It features a 16-megapixel CMOS sensor, 5x optical zoom, and full HD 1080p video recording. This camera is built to be waterproof down to 40 feet (12 meters), shockproof from drops up to 5 feet (1.5 meters), crushproof up to 220 pounds (100 kgf), coldproof down to 14°F (-10°C), and dustproof.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Pentax Optio WG-2 camera.

Figure 1.1: Front view of the Pentax Optio WG-2 Digital Camera.

2. SETUP

2.1. Charging the Battery

Before initial use, fully charge the camera battery using the provided external charger. Connect the charger to a power outlet and insert the battery. The charging indicator will show the charging status.

2.2. Inserting the Battery and Memory Card

1. Open the battery/memory card compartment cover located on the side of the camera. Ensure the cover is dry before opening.
2. Insert the charged battery with the correct orientation.
3. Insert an SD, SDHC, or SDXC memory card into the card slot until it clicks into place.
4. Close the compartment cover securely until it locks. Ensure the seal is free of debris to maintain waterproof integrity.

Figure 2.1: Side view with port cover open.

2.3. Initial Settings

Upon first power-on, the camera will prompt you to set the date, time, and language. Follow the on-screen instructions to configure these basic settings.

3. OPERATING THE CAMERA

3.1. Power On/Off

Press the **ON/OFF** button located on the top of the camera to power it on or off.

Figure 3.1: Top view with Power and Shutter buttons.

3.2. Taking Photos

1. Turn on the camera.

2. Frame your shot using the 3.0-inch LCD display.

3. Press the shutter button halfway down to focus.

4. Press the shutter button fully to capture the image.

3.3. Zoom Function

Use the zoom buttons (W for wide, T for telephoto) located on the back of the camera to adjust the 5x optical zoom. The camera also features a 7.2x digital zoom.

Figure 3.2: Back view with LCD and control buttons.

3.4. Shooting Modes

Press the **MODE** button to select various shooting modes, including automatic, program, and specialized modes like Underwater mode. Refer to the on-screen menu for detailed options.

3.5. Video Recording

To record video, switch to video mode (if available via the MODE button or a dedicated video button). Press the shutter button to start and stop recording. The camera supports Full HD 1080p video at 30 frames per second.

3.6. Macro Photography with LED Lights

For close-up shots, the camera features a ring of six LED lights around the lens. Activate these lights in macro mode to provide even illumination for subjects as close as 1 cm.

4. MAINTENANCE

4.1. Cleaning the Camera

- **Camera Body:** Wipe with a soft, damp cloth. For stubborn dirt, use a mild soap solution and rinse thoroughly.
- **Lens and LCD Screen:** Use a soft, lint-free cloth specifically designed for optical surfaces. Avoid harsh chemicals.
- **Waterproof Seals:** Regularly inspect the rubber seals on the battery/card compartment and port covers for dirt, sand, or damage. Clean with a soft brush and ensure they are free of debris before closing.

4.2. After Underwater Use

After using the camera in water, especially saltwater, rinse it thoroughly with fresh water. Allow the camera to air dry completely before opening any compartments. Do not open compartments while the camera is wet to prevent water ingress.

Figure 4.1: Pentax Optio WG-2 after water exposure.

4.3. 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.

5. TROUBLESHOOTING

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted.
- **Images are blurry:** Check focus settings. Ensure the lens is clean. Use image stabilization if available.
- **Water inside the camera:** Immediately power off the camera, remove the battery and memory card. Contact customer support. This indicates a failure of the waterproof seals.
- **Poor performance in low light:** The camera may struggle in very low light conditions. Use the built-in flash or adjust ISO settings if possible.
- **Memory card error:** Ensure the memory card is correctly inserted and not damaged. Try formatting the card (this will erase all data).
- **LCD screen not displaying:** If the screen is blank or malfunctioning, try restarting the camera. If the issue persists, contact customer support.

6. SPECIFICATIONS

Feature	Specification
Model Name	Pentax Optio WG-2
Photo Sensor Resolution	16 MP

Feature	Specification
Optical Zoom	5x
Digital Zoom	7.2x
Maximum Focal Length	140 Millimeters
Minimum Focal Length	28 Millimeters
Image Stabilization	Optical
Video Resolution	FHD 1080p
Screen Size	3 Inches
Waterproof Rating	Down to 40 feet (12 meters)
Shockproof Rating	Up to 5 feet (1.5 meters)
Crushproof Rating	Up to 220 pounds (100 kgf)
Coldproof Rating	Down to 14°F (-10°C)
Dustproof	Yes
Flash Memory Type	SD, SDHC, SDXC
Connectivity Technology	HDMI, USB, EyeFi
ISO Range	100-6400
Item Weight	0.44 Pounds

7. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Pentax website. For technical support, service, or additional inquiries, please contact Pentax customer service through their official channels.

Keep your proof of purchase for warranty claims.