

Olympus TG-1iHS

OM SYSTEM OLYMPUS TG-1iHS 12 MP Waterproof Digital Camera User Manual

Model: TG-1iHS

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your OM SYSTEM OLYMPUS TG-1iHS Digital Camera. Designed for durability and high-quality imaging in challenging environments, this camera features a robust construction and advanced photographic capabilities. Please read this manual thoroughly before using your camera to ensure optimal performance and longevity.



Figure 1: Front view of the OM SYSTEM OLYMPUS TG-1iHS Digital Camera, showcasing its rugged design and lens.

KEY FEATURES AND DURABILITY

The TG-1iHS is engineered to withstand harsh conditions, making it an ideal companion for outdoor adventures. Its robust build ensures reliable operation where other cameras might fail.

Rugged Construction

- **Waterproof:** Submersible up to 12 meters (40 feet), thanks to its complete sealing system and double-lock construction.
- **Shockproof:** Designed to withstand drops from up to 2 meters (6.6 feet), protecting internal components.
- **Crushproof:** Built to endure pressure up to 100 kgf (220 lbf), preventing damage from compression.
- **Freezeproof:** Operates reliably in temperatures as low as -10°C (14°F), preventing condensation and malfunction in cold climates.
- **Dustproof:** Fine protective sealing keeps out dirt and debris, ensuring functionality in dusty or muddy environments.

Optical Excellence

- **Ultra-Bright f2.0 Lens:** Captures high-quality images in low-light conditions and allows for faster shutter speeds.
- **3.0" OLED Monitor:** A high-resolution (610K dots) display provides excellent visibility outdoors, even in direct sunlight, with protective coatings to prevent scratches and reduce glare.
- **Water-Repellent Lens Coating:** Prevents water droplets from obstructing images, applied to both the lens and OLED monitor.



Figure 2: Rear view of the camera, highlighting the 3.0-inch OLED monitor and control layout.

SETUP

1. Charging the Battery:

Connect the supplied USB cable to the camera and then to the AC power adapter. Plug the adapter into a wall outlet. The charging indicator will illuminate. Charging is complete when the indicator turns off. Ensure the battery is fully charged before first use.

2. Inserting the Battery and Memory Card:

Open the battery/card compartment cover on the side of the camera. Insert the LI-90B battery with the correct orientation until it clicks into place. Insert an SD/SDHC/SDXC memory card into the card slot until it locks. Close the compartment cover securely, ensuring the double-lock mechanism is engaged, especially before exposing the camera to water.



Figure 3: Side view of the camera, illustrating the secure compartment for battery and memory card.

3. Initial Power On and Settings:

Press the **ON/OFF** button to power on the camera. The first time you power on, you may be prompted to set the date, time, and language. Follow the on-screen instructions using the control pad and **OK** button.

OPERATING THE CAMERA

Basic Shooting Modes

Rotate the mode dial on the back of the camera to select your desired shooting mode.

- **iAuto (Intelligent Auto):** The camera automatically detects the scene (up to 30 different scenes) and adjusts settings for optimal results.
- **Program Auto (P):** Allows for more control over settings while the camera sets exposure automatically.
- **Super Sport Mode:** Combines high-speed autofocus with fast shutter speeds (up to 1/2000 sec) for freezing action. Captures 5 shots in a high-speed burst.
- **Low Light Mode:** Optimizes settings for shooting in dimly lit environments without flash, reducing blur and camera shake.
- **Magic Art Filters:** Apply creative effects to photos and HD videos (e.g., Pop Art, Pin Hole, Miniature).

Recording Videos

The TG-1iHS supports 1080p Full HD video recording at 60 frames per second. Press the dedicated **Movie Record Button** to start and stop recording. Multi-Motion IS compensates for camera movement, and Linear PCM Recording provides high-definition audio.

Advanced Features

- **GPS & E.Compass:** Records location and landmark information with images. The logging function tracks routes for use with applications like Google Earth.
- **Manometer:** Built-in sensor records elevation and water depth, providing a warning when approaching the 40ft depth limit.
- **Automatic Underwater Balance:** Four dedicated underwater scene modes (Snapshot, Wide 1, Wide 2, Macro) optimize color balance, exposure, and flash for underwater photography.
- **LED Illuminator:** A mini-flashlight on the front of the camera enhances focus and exposure for macro shooting, especially useful for underwater close-ups or in low light.



Figure 4: Top view of the camera, indicating the GPS module and power controls.

MAINTENANCE

- **Cleaning the Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, dampen the cloth slightly with water. Do not use organic solvents or strong cleaning agents.
- **Cleaning the Lens and Monitor:** Use a lens brush or a blower to remove dust. For smudges, use a soft lens cleaning cloth. Avoid touching the lens or monitor with your fingers.
- **After Underwater Use:** Rinse the camera thoroughly with fresh water immediately after use in salt water or chlorinated water. Pay special attention to the battery/card compartment and all moving parts. Dry the camera completely with a soft cloth before opening any compartments.

- **Battery Care:** Store the battery in a cool, dry place when not in use. Avoid extreme temperatures. If the camera will not be used for an extended period, remove the battery.
- **Storage:** Store the camera in a dry, well-ventilated area, away from direct sunlight and high humidity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	Battery is depleted or incorrectly inserted.	Charge the battery fully. Reinsert the battery correctly.
Images are blurry.	Camera shake, subject movement, or out of focus.	Hold the camera steady. Use Super Sport Mode for moving subjects. Ensure proper focus.
Water inside battery/card compartment.	Compartment cover not properly closed or double-lock not engaged.	Immediately remove battery and memory card. Dry the compartment thoroughly. Ensure covers are securely closed and locked before next use near water.
GPS not acquiring signal.	Poor satellite visibility (indoors, heavy cover).	Move to an open outdoor area. Allow more time for signal acquisition.

SPECIFICATIONS

Feature	Detail
Model Name	Olympus TG-1iHS
Photo Sensor Resolution	12 MP (BSI CMOS Sensor)
Optical Zoom	4x
Lens Aperture	f2.0 (wide) - f4.9 (tele)
Waterproof Depth	Up to 12m (40 ft)
Shockproof Height	Up to 2m (6.6 ft)
Crushproof Pressure	Up to 100 kgf (220 lbf)
Freezeproof Temperature	Down to -10°C (14°F)
Display	3.0-inch OLED (610,000 dots)
Video Resolution	Full HD 1080p (1920x1080) at 60fps
Image Stabilization	Sensor-shift
Connectivity	USB, HDMI, GPS

Feature	Detail
Storage Media	SD, SDHC, SDXC Memory Cards
Battery Type	LI-90B Lithium Ion
Dimensions (approx.)	4.5 x 2.5 x 1.0 Inches
Weight (approx.)	0.51 Pounds

WARRANTY AND SUPPORT

Your OM SYSTEM OLYMPUS TG-1iHS Digital Camera is covered by a limited warranty. Please refer to the warranty card included with your product for specific terms and conditions. For technical support, service, or to inquire about accessories, please visit the official Olympus support website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

For the latest support information and FAQs, please visit: [Olympus Support](#)