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> Ikelite Underwater Housing for Canon Digital EOS 5D Mark III Camera (Transparent) 6871.03 User Manual

Ikelite 6871.03

Ikelite Underwater Housing for Canon Digital EOS 5D Mark III Camera

Model: 6871.03

INTRODUCTION

This user manual provides comprehensive instructions for the safe and effective use of your Ikelite Underwater Housing, model 6871.03, designed specifically for the Canon EOS 5D Mark III DSLR camera. This housing allows you to capture stunning images and videos up to 200 feet (60 meters) below the surface.

Please read this manual thoroughly before operating the housing to ensure proper setup, operation, and maintenance, which will help protect your valuable camera equipment and ensure optimal performance.

IMPORTANT SAFETY INFORMATION

Always prioritize safety when using underwater equipment. Failure to follow these guidelines may result in damage to the housing or camera, or personal injury.

- Before each use, carefully inspect the housing, O-rings, and all controls for any signs of damage, dirt, or debris.
- Ensure O-rings are clean, properly lubricated, and seated correctly in their grooves.
- Always perform a dry run or a shallow water leak test without the camera inside before deep diving.
- Do not exceed the maximum operating depth of 200 feet (60 meters).
- Avoid exposing the housing to extreme temperatures or direct sunlight for prolonged periods when not in use.
- After each use in saltwater, rinse the housing thoroughly with fresh water.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Ikelite Underwater Housing (Model 6871.03)
- O-ring lubricant
- Port cover
- Instruction manual (this document)

PRODUCT OVERVIEW

The Ikelite Underwater Housing is crafted from durable, corrosion-resistant transparent polycarbonate, allowing for clear visibility of the camera and easy monitoring of the O-ring seal. It features an interchangeable lens port system and an aluminum 1/4-inch-20 thread for additional accessories.



Figure 1: Front view of the Ikelite Underwater Housing with a Canon EOS 5D Mark III camera and lens, showcasing its transparent design and robust handles.



Figure 2: Front view of the housing, illustrating the camera mounting area and the interchangeable lens port system.



Figure 3: Rear view of the housing, providing a clear view of the camera's LCD screen and the accessible external controls for camera operation.

SETUP GUIDE

Follow these steps to prepare your Ikelite Underwater Housing for use:

1. **Prepare the Camera:** Ensure your Canon EOS 5D Mark III camera battery is fully charged and a memory card is inserted. Set camera settings as desired for underwater photography (e.g., white balance, focus mode).
2. **Inspect O-Rings:** Carefully remove the main O-ring from its groove. Clean it with a lint-free cloth, ensuring no hair, dust, or debris is present. Apply a thin, even layer of the provided silicone lubricant to the O-ring. Re-seat the O-ring firmly and evenly into its groove, ensuring it is not twisted. Repeat for any port O-rings.

3. **Install Lens Port:** Attach the appropriate lens port for your chosen lens to the housing. Ensure it clicks securely into place and its O-ring is properly sealed.
4. **Insert Camera:** Gently slide the Canon EOS 5D Mark III camera into the housing, aligning it with the internal mounting plate and controls. Ensure the camera is seated flush and stable.
5. **Close and Latch:** Close the housing back firmly. Engage all latches securely. Visually inspect the O-ring seal through the transparent housing to confirm a proper, even seal around the entire perimeter.
6. **Perform Leak Test:** Before submerging with your camera, perform a leak test. Submerge the empty housing in a shallow body of water (e.g., a sink or bucket) for at least 15-20 minutes. Look for any bubbles indicating a leak. If no bubbles appear, the housing is ready for use.

OPERATING INSTRUCTIONS

Once the housing is properly set up and sealed, you can operate your camera underwater using the external controls.

- **Control Access:** The housing provides access to essential camera controls, including shutter release, zoom (with compatible lens gears), mode dial, and various function buttons. Familiarize yourself with the layout before diving.
- **Depth Limit:** Do not exceed the maximum operating depth of 200 feet (60 meters). Exceeding this limit can compromise the housing's integrity.
- **Buoyancy:** The housing with camera and lens will have a certain buoyancy. You may need to add buoyancy weights or floats (sold separately) to achieve neutral buoyancy for easier handling underwater.
- **Lens Port System:** The interchangeable lens port system allows you to use various lenses. Ensure the correct port is installed and sealed for your chosen lens.

MAINTENANCE AND CARE

Proper maintenance is crucial for the longevity and reliability of your underwater housing.

- **After Each Use (Saltwater):** Immediately after use in saltwater, rinse the entire housing thoroughly with fresh, clean water. Operate all controls and latches while rinsing to flush out any salt residue.
- **Drying:** Allow the housing to air dry completely in a shaded, well-ventilated area. Do not dry in direct sunlight.
- **O-Ring Care:** Periodically remove, clean, and re-lubricate O-rings (every 5-10 dives or as needed). Replace O-rings annually or if any signs of wear, cracking, or compression are observed.
- **Storage:** Store the housing in a cool, dry place away from direct sunlight. It is recommended to store the housing with the main O-ring removed or with the latches unlatched to prevent compression set.
- **Lens Port Care:** Clean lens ports with a soft, lint-free cloth and a lens cleaning solution. Avoid abrasive materials that could scratch the port.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Ikelite Underwater Housing.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Water Leakage	Dirty or damaged O-ring; improperly seated O-ring; housing not latched correctly; exceeding depth limit.	Inspect, clean, and re-lubricate O-rings. Ensure O-ring is properly seated. Verify all latches are secure. Do not exceed 200 ft (60m) depth.
Controls Sticking/Difficult to Operate	Salt crystal buildup; lack of lubrication on control shafts.	Rinse thoroughly with fresh water after each use. Apply a small amount of silicone grease to control shafts if accessible.
Fogging Inside Housing	Humidity trapped inside; temperature difference between air and water.	Assemble housing in a dry, low-humidity environment. Use anti-fog inserts (desiccants) inside the housing.

TECHNICAL SPECIFICATIONS

Brand	Ikelite
Model Number	6871.03
Compatible Camera	Canon EOS 5D Mark III DSLR
Maximum Depth Rating	200 feet (60 meters)
Material	Corrosion-resistant Polycarbonate, Aluminum
Color	Transparent
Item Dimensions (L x W x H)	30.5 x 25.4 x 40.6 cm (12 x 10 x 16 inches)
Item Weight	9 pounds (4.08 kg)
Package Dimensions (L x W x H)	36.3 x 24.4 x 23.9 cm (14.3 x 9.6 x 9.4 inches)
Package Weight	9.2 pounds (4.17 kg)
Built-in Components	Underwater Housing
Special Features	Interchangeable Lens Port System, 1/4-inch-20 Accessory Mount

WARRANTY AND SUPPORT

Ikelite products are designed and handcrafted in the USA, ensuring high quality and reliability. For specific warranty information, please refer to the warranty card included with your product or visit the official Ikelite website.

For technical support, spare parts, or service inquiries, please contact Ikelite customer service directly. Provide your model number (6871.03) and purchase details when contacting support.

Note: Unauthorized modifications or improper use of the housing will void the warranty.

