

PULUZ For Insta360 X4

PULUZ 50m/164ft Waterproof Case Underwater Diving Housing Shell for Insta360 X4 User Manual

Brand: PULUZ
Model: For Insta360 X4

1. INTRODUCTION

This user manual provides comprehensive instructions for the PULUZ 50m/164ft Waterproof Case, designed specifically for the Insta360 X4 camera. This housing allows you to capture stunning underwater footage and photos, protecting your camera down to a depth of 50 meters (164 feet). It features a premium lens for high light transmission and a robust PC shell for durability.

Key Features:

- **Premium Lens:** Made of PMMA material with 95% light transmission and 98% with AR anti-reflective coating. Features AS waterproof anti-fingerprint film and AS hard film for a surface hardness of 5H, providing anti-fingerprint and anti-scratch properties.
- **Hard Shell Protection:** Casing made of hardened PC, enhanced for scratch resistance, texture, anti-flowering, and anti-fingerprints.
- **360-degree Full Invisibility:** Unique optical spherical lens design enables seamless underwater panoramic stitching, eliminating blind spots.
- **Designed for Underwater Sports:** 50m/164ft full-body waterproof design with liquid silicone process for enhanced waterproof function, ideal for diving, snorkeling, swimming, and other water activities.

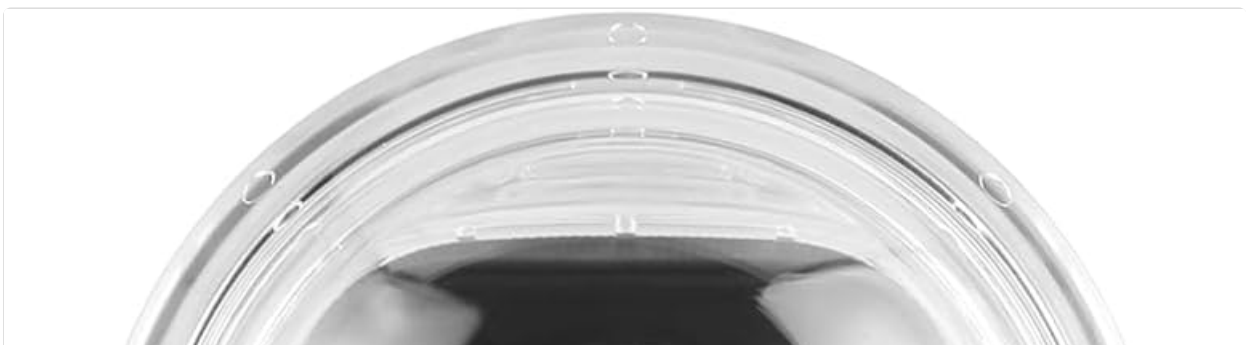




Figure 1.1: The PULUZ 50m/164ft Waterproof Case for Insta360 X4, showcasing its transparent design and integrated mount.

2. PACKAGE CONTENTS

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

- Waterproof housing shell x 1
- Invisible adapter x 1
- Long screw x 1
- Small wrench x 1
- Storage bag x 1
- Alcohol packs x 3 (6 pieces total)
- Anti-fog sheet x 4 packs (24 pieces total)



Figure 2.1: All components included in the PULUZ Waterproof Case package.

3. SETUP AND INSTALLATION

Follow these steps to properly install your Insta360 X4 camera into the waterproof housing:

1. **Prepare the Camera:** Ensure your Insta360 X4 camera is clean and free of any debris or moisture.
2. **Open the Housing:** Locate the buckle latches on both sides of the waterproof case. Gently lift and unlatch them to open the housing.

Both Sides Buckle Design

Adopt with lock design, sturdy and durable



Figure 3.1: The dual buckle design for secure closure and easy opening.

3. **Insert Anti-fog Sheets:** Place the provided anti-fog sheets inside the housing to prevent condensation, especially in humid or cold conditions. Distribute them evenly to avoid obstructing the lens view.
4. **Insert the Camera:** Carefully slide your Insta360 X4 camera into the housing, ensuring it is seated correctly and securely. Make sure the camera's lenses align with the housing's optical spherical lenses.
5. **Close and Latch:** Close the housing firmly, ensuring the rubber seal is properly seated around the entire perimeter. Press down on the top of the housing and secure both buckle latches until they click into place. Verify that the housing is completely sealed.
6. **Attach Mount (Optional):** Use the invisible adapter and long screw to attach the housing to compatible mounts or accessories, such as a selfie stick or tripod.

Before first use, it is highly recommended to perform a waterproof test without the camera inside. Submerge the empty housing in water for at least 30 minutes to check for any leaks. If no water enters, the housing is ready for use with your camera.

4. OPERATING INSTRUCTIONS

The PULUZ Waterproof Case is designed for seamless operation of your Insta360 X4 in aquatic environments.

Underwater Use:

- The housing is rated for depths up to 50 meters (164 feet). Always ensure the housing is securely closed before submerging.
- The unique optical spherical lens design ensures 360-degree full invisibility, allowing for seamless panoramic stitching of your underwater footage.
- Utilize the camera's underwater mode settings for optimal color correction and image quality.

Waterproof Depth 50M

Professional waterproof sealing structure, enjoy exploring the underwater world.



Figure 4.1: The waterproof case is designed for professional underwater use up to 50 meters.

Underwater Panoramic Stitching

Seamless image reproduction

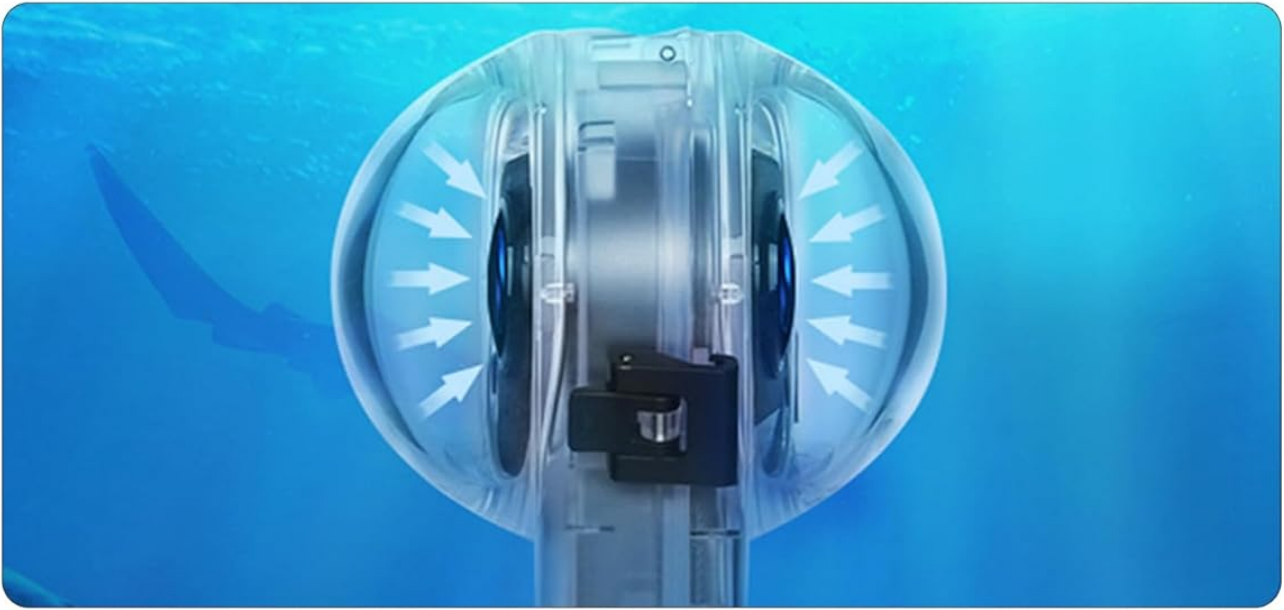


Figure 4.2: The housing's design facilitates seamless underwater panoramic stitching.

Versatile Protection:

Beyond diving, the robust construction of the PULUZ case provides all-around protection against drops, dust, and scratches, making it suitable for various outdoor activities.

Camera Protective Sleeve

Widely used in underwater photography



Diving

Surfing

Skiing

Swimming

Figure 4.3: The case offers protection for a wide range of activities including diving, surfing, skiing, and swimming.

5. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and performance of your waterproof housing.

- **After Each Use:** Rinse the housing thoroughly with fresh water immediately after use in saltwater or chlorinated water. This prevents salt or chlorine buildup that can damage seals and components.
- **Drying:** Allow the housing to air dry completely in a cool, shaded area. Do not use heat to dry it.
- **Cleaning:** Use a soft, lint-free cloth to clean the lens and housing body. For stubborn spots, a mild soap solution can be used, followed by a thorough rinse. Avoid abrasive cleaners or solvents.
- **Seal Inspection:** Regularly inspect the rubber O-ring seal for any signs of damage, cracks, or debris. A clean, well-maintained seal is crucial for waterproof integrity. If necessary, gently clean the O-ring with a soft cloth and apply a thin layer of silicone grease (not included) to keep it pliable.
- **Storage:** Store the housing in a cool, dry place away from direct sunlight and extreme temperatures. It is recommended to store the housing with the latches open to relieve pressure on the O-ring.

6. TROUBLESHOOTING

If you encounter any issues with your PULUZ Waterproof Case, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Water inside the housing	Improperly sealed O-ring, damaged O-ring, debris on seal, or housing not fully latched.	Immediately remove camera. Dry housing thoroughly. Inspect O-ring for damage or debris; clean and re-seat. Ensure latches are fully secured. Perform a dry waterproof test before re-inserting camera.
Fogging inside the housing	Humidity difference between inside and outside the case, insufficient anti-fog sheets.	Ensure camera and housing are dry before sealing. Use the provided anti-fog sheets. If fogging persists, add more sheets or ensure they are properly distributed.
Poor image quality underwater (blurry/distorted)	Water refraction, dirty lens on housing or camera, camera not in underwater mode.	Clean both the camera lens and the housing's optical lens. Ensure the camera is set to its specific underwater mode for color correction. The housing's design helps compensate for refraction.
Buttons on housing are stiff or unresponsive	Salt/debris buildup, or O-rings on buttons need lubrication.	Rinse buttons thoroughly with fresh water after use. Press buttons repeatedly underwater to flush out debris. If persistent, apply a small amount of silicone grease to the button O-rings.



Figure 6.1: A diving case significantly improves image quality by compensating for underwater light refraction.

7. SPECIFICATIONS

Feature	Detail
Model Number	For Insta360 X4
Water Resistance Level	Waterproof (up to 50m / 164ft)
Lens Material	PMMA with AR anti-reflective coating, AS waterproof anti-fingerprint film, AS hard film
Lens Hardness	5H
Housing Material	Hardened Polycarbonate (PC), Stainless Steel
Color	Transparent
Item Weight	13.4 ounces
Package Dimensions	9.21 x 5 x 3.7 inches



Figure 7.1: Diagram illustrating the materials used in the construction of the waterproof case.

8. SAFETY INFORMATION

Please read and adhere to the following safety guidelines to ensure safe operation and prevent damage to your equipment or injury:

- Always perform a dry waterproof test before submerging the housing with your camera inside, especially after long periods of non-use or if the housing has been dropped.
- Do not exceed the maximum rated depth of 50 meters (164 feet).
- Avoid exposing the housing to extreme temperatures or direct sunlight for prolonged periods, as this can degrade the materials and seals.
- Do not attempt to open the housing underwater.
- Keep the O-ring seal clean and free of sand, hair, or any other debris that could compromise the seal.
- Handle the housing with care to avoid drops or impacts that could cause cracks or damage to the lens.

9. WARRANTY AND SUPPORT

PULUZ products are manufactured with high-quality materials and undergo strict quality control. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official PULUZ website.

For technical support, troubleshooting assistance, or inquiries about replacement parts, please contact PULUZ customer service through their official channels. You can often find contact information on the product packaging or the brand's official website.

Visit the [PULUZ Store on Amazon](#) for more products and information.