

## Housing Flood Just a matter of time or Avoidable?

You've probably heard underwater photographers say,  
"It's not **if** you're going to have a flood, it's **when**."  
With the Housing Sentry, you no longer have to nervously  
wait for what is assumed to be inevitable.

The customized fittings of the Housing Sentry allow a  
vacuum to be drawn on the housing. You will know before  
entering the water that your seals are secure.

The Housing Sentry Complete System  
includes electronics that continually  
monitor the vacuum and communicate  
the status through green and red LEDs.



The compact size of the Housing Sentry  
allows for installation in nearly all  
 housings. Customized fittings have  
been developed for five installation options covering most  
popular housing models.

Visit our website for more information

### UnderWater Camera Stuff

Website: [www.UWCameraStuff.com](http://www.UWCameraStuff.com)

E-Mail: [Info@UWCameraStuff.com](mailto:Info@UWCameraStuff.com)



## Precision Olympus Pen Pancake Lens Flat Port

### User Guide



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Offering custom-designed products to enhance  
currently-available underwater camera equipment

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## **ANNUALLY**

Return your Precision PLFP to your authorized dealer or to UnderWater Camera Stuff so that the unit can be serviced and have all of the o-rings replaced.

## **WARRANTY**

UnderWater Camera Stuff warrants the Precision Olympus Pen Pancake Lens Flat Port from material or manufacturing or defects for a period of one year from the date of purchase. There is no warranty for your housing or any contents including but not limited to the camera and lens.

## **DISCLAIMER**

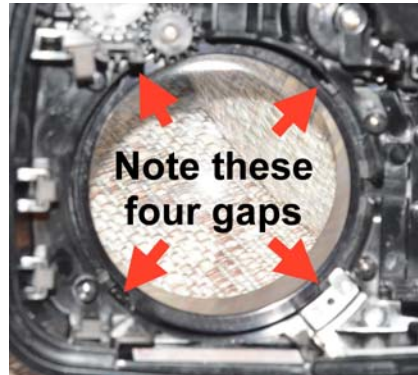
It is your responsibility to follow the instructions in this User Guide along with the generally-accepted guidelines for maintaining and operating underwater camera equipment. UnderWater Camera Stuff accepts no responsibility for damage or defects caused by improper maintenance or use of the equipment.

## REMOVING YOUR PRECISION PLFP

Open the back of the housing. Using the included Phillips screwdriver, remove the screw and port lock clip.

Grip the PLFP and, when looking from the front, turn it counter-clockwise a quarter-turn. Then, turn it back clockwise just a bit.

You should have small gaps (1/8" to 1/4") at the positions shown here.



It is much easier to remove the PLFP if the back of the housing is open or the back o-ring is removed.







Place your thumbs or fingertips under the back of the PLFP 180-degrees from each other then lift the PLFP.



Use even pressure to keep the PLFP straight as it lifts. If the PLFP is crooked during lifting, it could become stuck in the opening. If that happens, press firmly on the outside of the PLFP to get it back to a straight and centered position. Then, start lifting again.

Congratulations on your wise decision to purchase the Precision Olympus Pen Pancake Lens Flat Port (PLFP). You now have a flat port specifically designed for use with pancake lenses such as the Olympus M.ZUIKO DIGITAL 17mm F2.8, the Panasonic LUMIX G 14mm F2.5 ASPH, the Panasonic LUMIX G 20mm F1.7 ASPH and the SIGMA 30mm F2.8 EX DN

## ITEMS INCLUDED

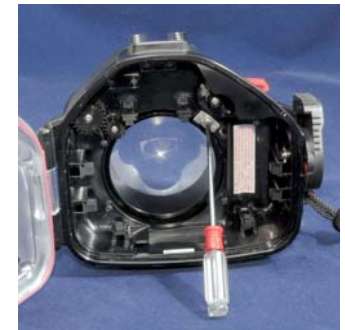
-  Precision Flat Port with anodized aluminum port body
-  Neoprene Cover
-  Vinyl End-cap Cover
-  Two metric, butyl O-rings
-  Standard silicone O-ring grease
-  Phillips screwdriver, size PH1

## INSTALLING YOUR PRECISION FLAT PORT

### STEP 1 – Remove the installed port

Open the back of the housing.

Using the included Phillips screwdriver, remove the screw and port lock clip.



Grip the port and turn clockwise a quarter-turn. Then, pull it straight out from the housing.

## **STEP 2 – Install the Precision Flat Port**

Inspect the housing opening, the port body and o-rings to assure all surfaces are totally clean.

The aluminum port body mounted on the Precision Pancake Lens Flat Port (PLFP) has three grooves. You will install o-rings in the groove closest to the flat port and in the middle groove. Using the standard silicone grease that is provided, lubricate the o-rings and position in the correct grooves. It is important that you use only standard silicone o-ring grease made for butyl o-rings. The lubricant made for use with silicone o-rings (colors other than black) could cause these butyl o-rings swell, making removal of the PLFP extremely difficult.

The metric o-rings are a non-standard size and therefore not readily available. Contact your authorized dealer or UnderWater Camera Stuff for an O-Ring Replacement Kit.

With the port body tabs positioned at the top and bottom, firmly push the port body into the housing opening. When properly installed, no o-rings will be visible and there will only be a very small gap between the front of the housing and the back of the PLFP.

When looking from the inside of the housing, turn the PLFP counter-clockwise a quarter-turn. You should see that the tabs are now against the stops in the housing opening.

Use the included Phillips screwdriver to re-install the housing port lock clip and screw.



Once the Precision PLFP is installed for the first time, we recommend you take the empty housing on a dive to check for leaks.

Have you purchased an UnderWater Camera Stuff Moisture Detector? It will fit in your housing and can be easily self-installed. The Moisture Detector is a good tool to help protect the investment you have made in your camera system.

### **BEFORE YOUR DIVE**

With your entire system put together and the housing back closed, test the seals by submerging the housing in a camera rinse tank.

Then, go dive and enjoy taking sharp, mid-range shots of your favorite subjects!

### **AFTER DIVING**

Give your entire system a good soaking in fresh water so that any salt crystals can dissolve. Dry your Precision PLFP with a microfiber cloth to prevent water spots.