

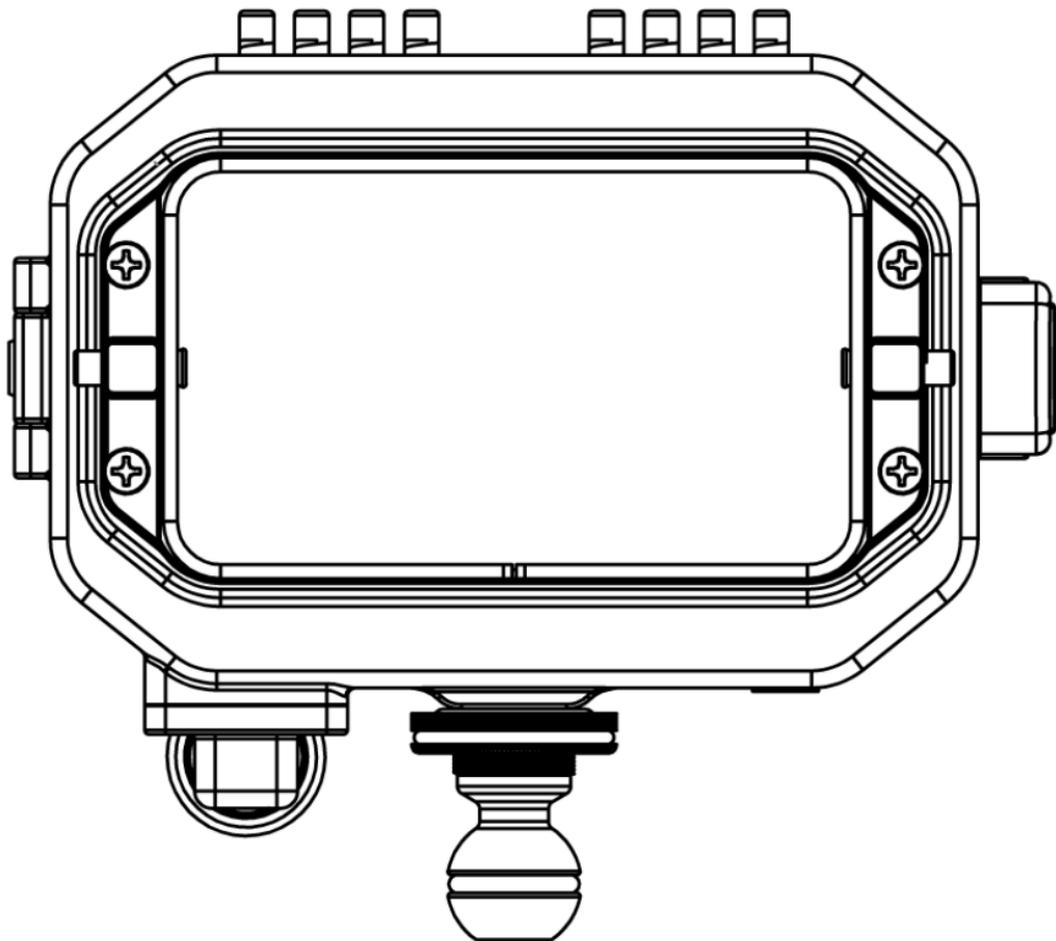
# AQUATICA™



# Digital

## Aquatica 5HD Monitor

### Product #50000



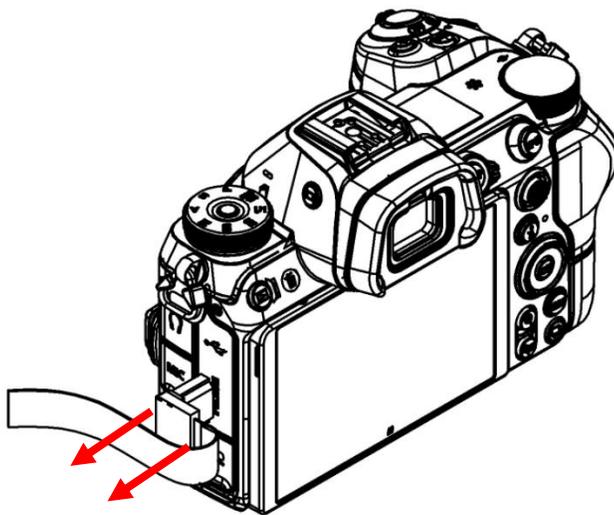
## Table of contents

Safety precautions .....	3
Product specifications and features .....	4
Package contents .....	5
Bulkhead installation .....	6
Cable installation.....	8
Care and maintenance.....	9
Operation instructions.....	10
Button layout .....	10
Menu operation .....	10
Useful information.....	12

## Safety precautions

Please carefully read and follow the following precautions and recommendations:

- ❗ Improper transportation, handling or use of this monitor might cause a flood or a malfunction. Follow all recommendations stated in the next sections of this manual.
- ❗ Never open the monitor in a location where sand or similar foreign material might come in contact with an O-ring. Be wary of strong winds as they could potentially be carrying sand or other harmful particulate matter.
- ❗ Non-authorized use of third party accessories, as well as modifications and/or alterations not specifically authorized by Aquatica may affect performance, cause poor functioning or impair the sealing integrity of the monitor.
- ❗ Protect the window when not in use to avoid scratching the acrylic surface.
- ❗ Never pull on the HDMI cable when disassembling your system.
- ❗ Never jump into the water with the housing and monitor. Have the system handed to you after you have made your entry or have it lowered to you on a rope.
- ❗ Never carry your monitor by the HDMI cable
- ❗ Make sure that boat staff are familiar with these procedures and advise them to manipulate the system by using the grips or lanyard provided with the housing.
- ❗ **Always disconnect the HDMI connector from your camera before removing it from the housing. Failing to do so can permanently damage your cable.**



## Product specifications and features

<b>Construction</b>	<b>Monitor body</b>	6061-T6 Aluminium
	<b>Surface treatment</b>	Anodized + powder coated
	<b>Window</b>	Optical acrylic
<b>Physical</b>	<b>Dimensions WxHxD</b>	6.75" x 4.75" x 3.60" 171mm x 120 mm x 91 mm
	<b>Weight (w/o battery)</b>	3.3 lb (1.5 kg)
	<b>Buoyancy</b>	+/- Neutral (depending on battery used)
	<b>Depth rating</b>	100 msw - 330 fsw
<b>Monitor</b>	<b>Display specs</b>	<ul style="list-style-type: none"> <li>🇨🇦 5.7" IPS LED-Backlit Display</li> <li>🇨🇦 Full HD 1920x1080 resolution</li> <li>🇨🇦 1400:1 Contrast Ratio</li> <li>🇨🇦 460cd/m<sup>2</sup></li> </ul>
	<b>Functions</b>	<ul style="list-style-type: none"> <li>🇨🇦 Focus peaking</li> <li>🇨🇦 False Color</li> <li>🇨🇦 Safe area</li> <li>🇨🇦 Histogram</li> <li>🇨🇦 Zebra exposure</li> <li>🇨🇦 Nine grid</li> <li>🇨🇦 Image can be flipped horizontal or vertical</li> <li>🇨🇦 Adjustable color temperature</li> </ul>
	<b>Battery</b>	<p><b>Due to shipping regulations we cannot supply you with batteries.</b></p> <p>The monitor is compatible with:</p> <ul style="list-style-type: none"> <li>🇨🇦 NP-F550 (~2 hours)</li> <li>🇨🇦 NP-F750 (~4 hours)</li> </ul> <p>These batteries are widely used in the photo/video industry and are readily available in stores and online.</p>

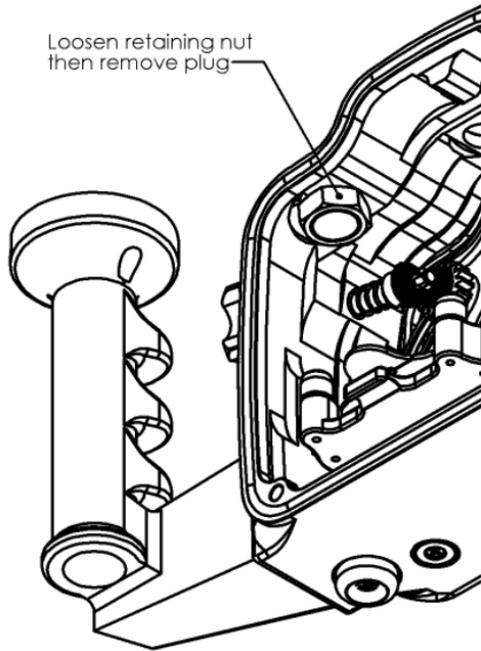
## Package contents

- ★ Aquatica 5HD monitor with ½ inch bulkhead
- ★ Ribbon HDMI adapter
- ★ Quick release shade
- ★ Quick release ball adapter

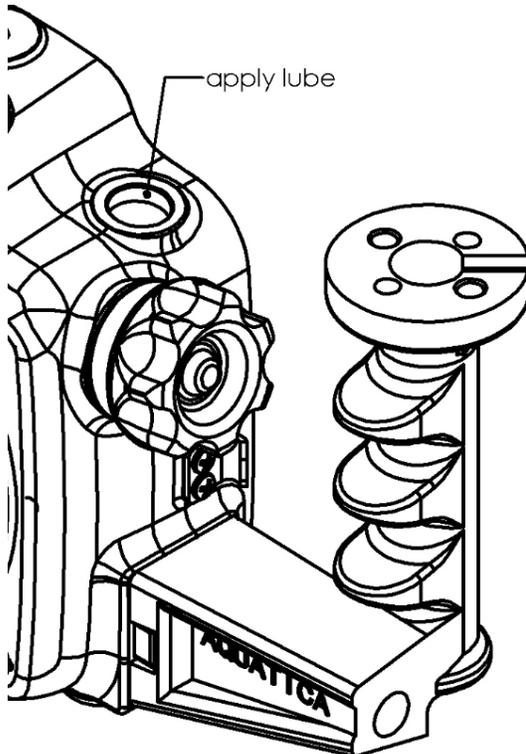


## Bulkhead installation

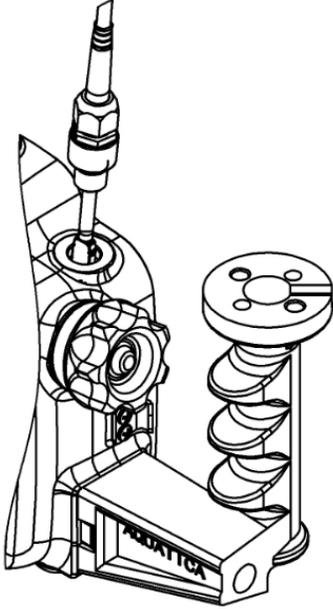
1. Remove ½ inch plug found on top left side of front shell



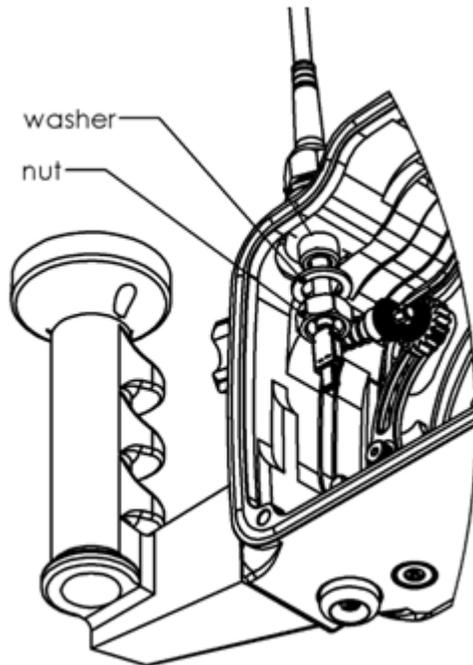
2. Apply Aquatica O-ring lubricant (# 19213) on ½ inch hole to avoid damaging o-ring



3. Install HDMI bulkhead, carefully push it into the hole without damaging sealing o-ring. If you feel a lot of resistance, do not force it in. Pull out, visually inspect o-ring and try again. A twisting motion while pushing usually helps.

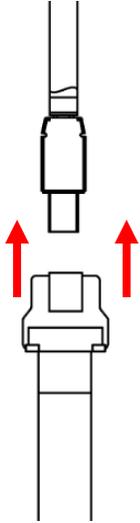


4. Pass the washer and the nut through the cable. Tighten the nut snugly with a 5/8" key until bulkhead is secured and cannot be easily turned. Nuts can loosen over time specially on bumpy boat rides. Always make sure the bulkhead is still tightly secured before going in the water.

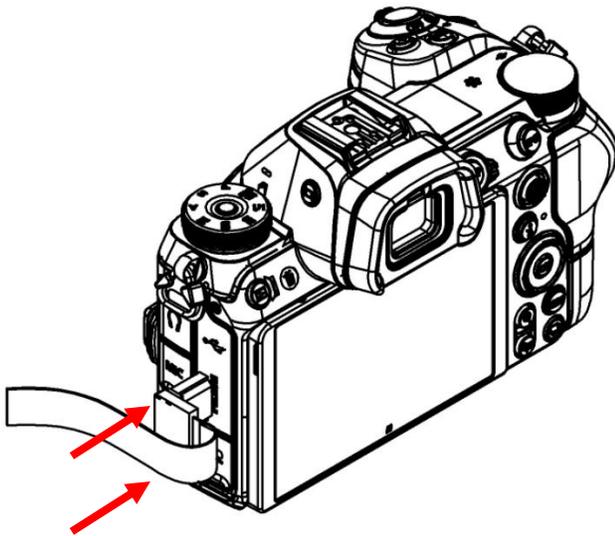


## Cable installation

1. Insert HDMI cable into ribbon cable



2. Insert ribbon cable into camera



## Care and maintenance

With basic care and a regular maintenance schedule, your Aquatica monitor will provide years of enjoyment and satisfaction in producing spectacular underwater images. Please follow all undermentioned care and maintenance instructions.

After every salt water dive, soak and/or rinse your housing system in fresh water. It should soak for a minimum of 30 minutes. Operate all the controls several times, while soaking, to dislodge any trapped salt water residues.

### Sacrificial anodes

Two anodes are attached to the bottom parts of the housing to prevent galvanic corrosion due to electrolysis. As time goes, depending on use, they will deteriorate and need replacement. Contact your dealer to order replacement anodes (#19220).

### O-ring and sealing surfaces should be cleaned regularly

When cleaning your monitor's main sealing oring, please follow these instructions:

- ✦ Never use a sharp instrument when removing an O-ring as this may damage the sealing surface of the groove or the O-ring itself. A dedicated O-ring tool, a dull pointed object or the edge of a credit card usually works well.
- ✦ Once removed, the O-ring should be inspected for damage. Carefully check that it is free of nicks or cuts and that it retains its original round profile. O-rings that appear to be damaged should be immediately replaced with new ones.
- ✦ Rinse the O-ring with fresh water and dry it with a clean lint free cloth.
- ✦ Clean the O-ring groove (the channel where the O-ring sits) with a cotton swab. Make sure to remove any lint the cotton swab may leave behind.
- ✦ Wipe the matching sealing surface part of the housing with a clean lint-free cloth.
- ✦ Lubricate the O-ring with a thin layer of Aquatica O-ring lubricant (# 19213) until it appears to be smooth and shiny. **Do not over lubricate.** Use just enough lubricant so the O-ring will pull smoothly through your fingers. Excessive amounts of grease will only attract and trap dirt onto the O-ring.

## Operation instructions

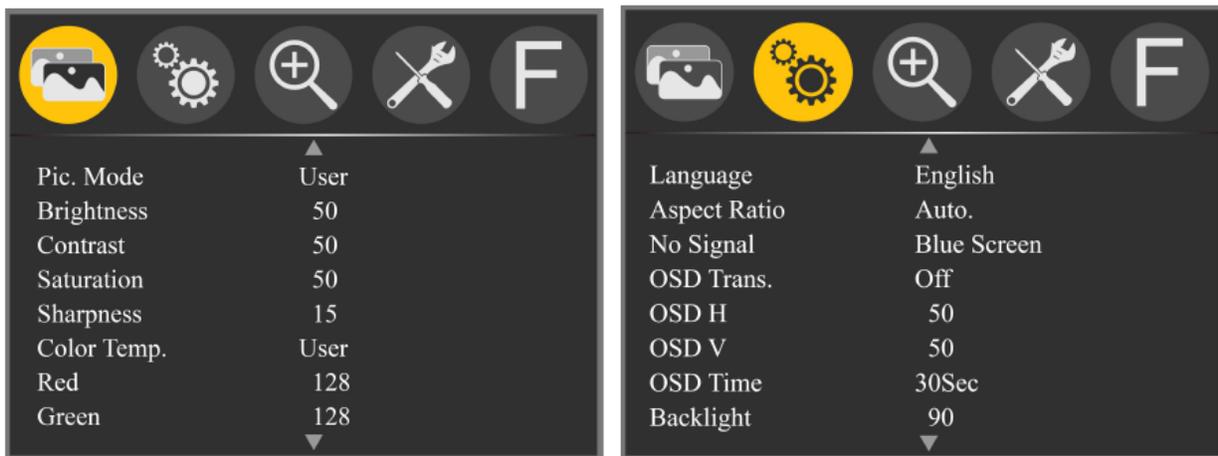
### Button layout

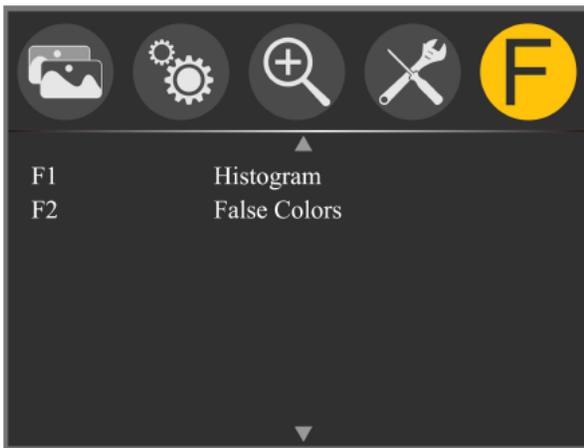
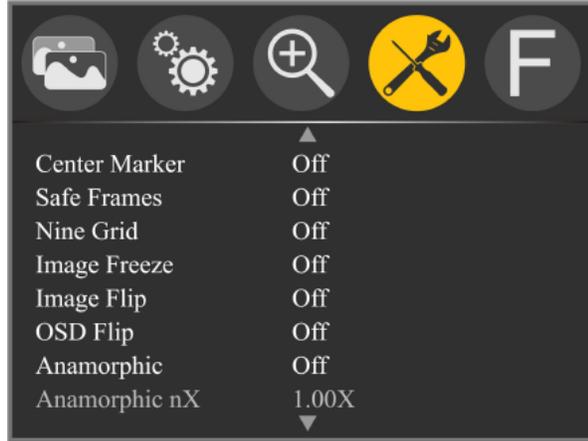
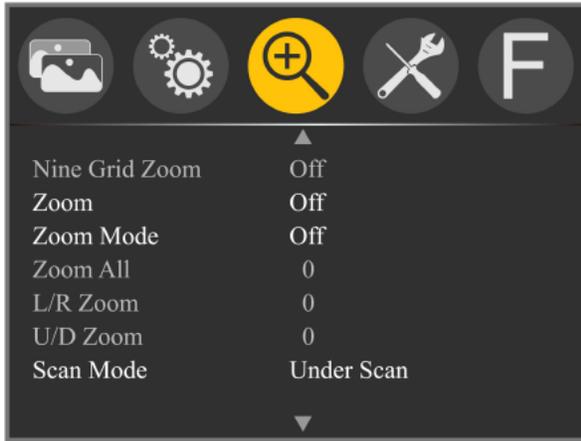


- ✦ F1: Custom button 1 (toggle)
- ✦ F2: Custom button 2 (toggle)
- ✦ < : Navigate menu left or adjust selected menu parameter
- ✦ > : Navigate menu right or adjust selected menu parameter
- ✦ MENU: opens menu
- ✦ V: Navigate menu down
- ✦ ^: Navigate menu up
- ✦ On-Off : power button

### Menu operation

There are 5 categories in the menu : image adjustments, Settings, Zoom, Function, and Custom button.





To modify the parameters of a category press **MENU** then **>** or **<**. Once the desired category is highlighted press **V** to enter the category. Note that some categories have more than one page, once you reach the last item on a page press **V** to go to the next page. To modify a parameter press **>** or **<**.

Examples:

- To modify the screen contrast:  
Press **MENU** - **V** - **V** - **V** - then **>** to increase contrast or **<** to decrease contrast.
- To set custom button F1 as Focus Assist OFF, ON toggle:  
Press **MENU** then **>** - **>** - **>** - **>** then **V**  
Now that F1 is highlighted keep pressing **>** until you see **Focus Assist**  
you can use the F1 button to turn ON and OFF focus assist

## Useful information

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- ✦ If you are using a DSLR in photo mode, you need to turn ON live view to use the monitor otherwise the camera will not transmit a signal through HDMI. In video mode the monitor should turn on once you start recording.  
Please refer to your camera's manual to learn how to turn on live view.
- ✦ While the monitor can downscale 4K to 1080p it is best to set the camera HDMI output to 1080p. Note that HDMI output and record resolution are independent; you can set the HDMI output to 1080p and still record in 4K on most cameras. U can usually modify this parameter under Settings → HDMI → output resolution.