

# **Nauticam**

# **Atomos Shogun**

Underwater Monitor Housing  
**Instruction manual**



# Foreword

Thank you for your purchase of a NAUTICAM housing.

At NAUTICAM, we pride ourselves in the ability to recognise the requirements of professional as well as amateur underwater photographers and fulfill them through the innovative designs of our products. We strive to achieve a high level of user-friendliness by allowing stress-free installation and easy operation of all important functions of the camera.

Each housing is individually inspected and water pressure tested to ensure optimum quality.

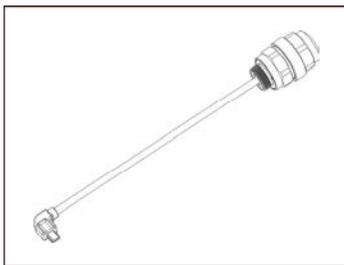
Please read this manual carefully before using the housing, this will maximise its performance as well as its lifetime.

# Warranty

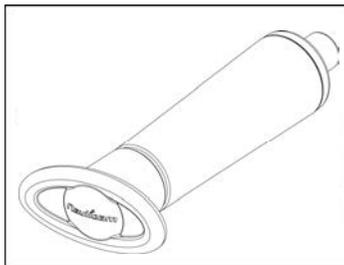
1. All NAUTICAM Products are warranted against any material and manufacturing defects for one year from the date of purchase for consumer use. Please fill in the warranty cards shipped with our housings and viewfinders at the time of sale and return them to your point of purchase within a month. If we do not receive the completed warranty card for a particular product, the warranty period would be assumed to begin from the day that the product is shipped from our facility. This warranty only applies to products purchased from authorised NAUTICAM dealers and does not extend beyond the original retail purchaser.
2. To return your product for service, please contact your regional authorized service centre(s). Please note that this warranty only applies when the product is purchased in the territory where the service centre is located.
3. NAUTICAM accepts no liability for any damage to and defects in the housing caused by improper use and/or poor maintenance; it is the responsibility of the owner to carefully follow the instructions in our manuals.
4. NAUTICAM does not hold responsibility for damage, of any nature, to any equipment used with and/or placed within our products.
5. NAUTICAM accepts no liability for any loss of captured images or the inability to capture images even if it is due to the malfunctioning of our products.
6. Unauthorised modifications and/or repairs of our products will automatically invalidate the warranty.

# Package Contents

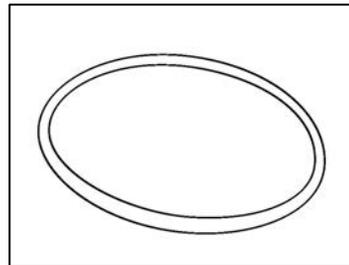
1. Nauticam Atomos Shogun Housing
2. HDMI bulkhead with integrated cable and type D connector
3. Instruction manual
4. Hand pump
5. Spare silicone rubber main o-ring
6. O-ring remover
7. CR2032 battery (Vacuum Check and Leak Detection System)
8. Lubricant
9. Set of Allen keys



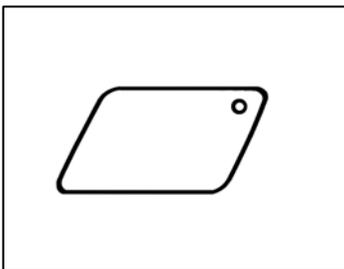
HDMI bulkhead with integrated cable and type D connector



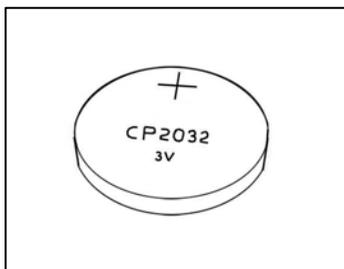
Hand Pump



Spare silicone rubber o-ring



O-ring remover



CR2032 battery



Lubricant

# Precautions

1. A water-tight test without the monitor inside the housing is highly recommended when using the system for the first time and after the changing of port and O-ring(s).
2. Do not use lubricants from other brands with the silicone rubber O-ring on this housing, only use the lubricant provided by NAUTICAM.
3. Discontinue use immediately should you notice any leakage.
4. Store the housing in a robust, shock-proof container during transportation; avoid transporting with any equipment, such as a camera, inside the housing.
5. When travelling by air, do not close the housing as this may lead to a pressure difference between the atmosphere and inside the housing.
6. Care must be taken when opening the housing, as pressure may build up inside the housing which increases the opening force.
7. Do not open the product in a wet or sandy environment. Protect the interior from moisture and debris in order to prevent malfunction or leakage.
8. Do not store the product in an environment of high humidity.
9. Do not leave the housing and the monitor in direct sunlight for prolonged periods.
10. Keep out of reach of children, failure to do so could result in injury.
11. Defective products should be shipped to our distributors for service, unauthorized disassembling and/or modifications could result in malfunction or leakage.

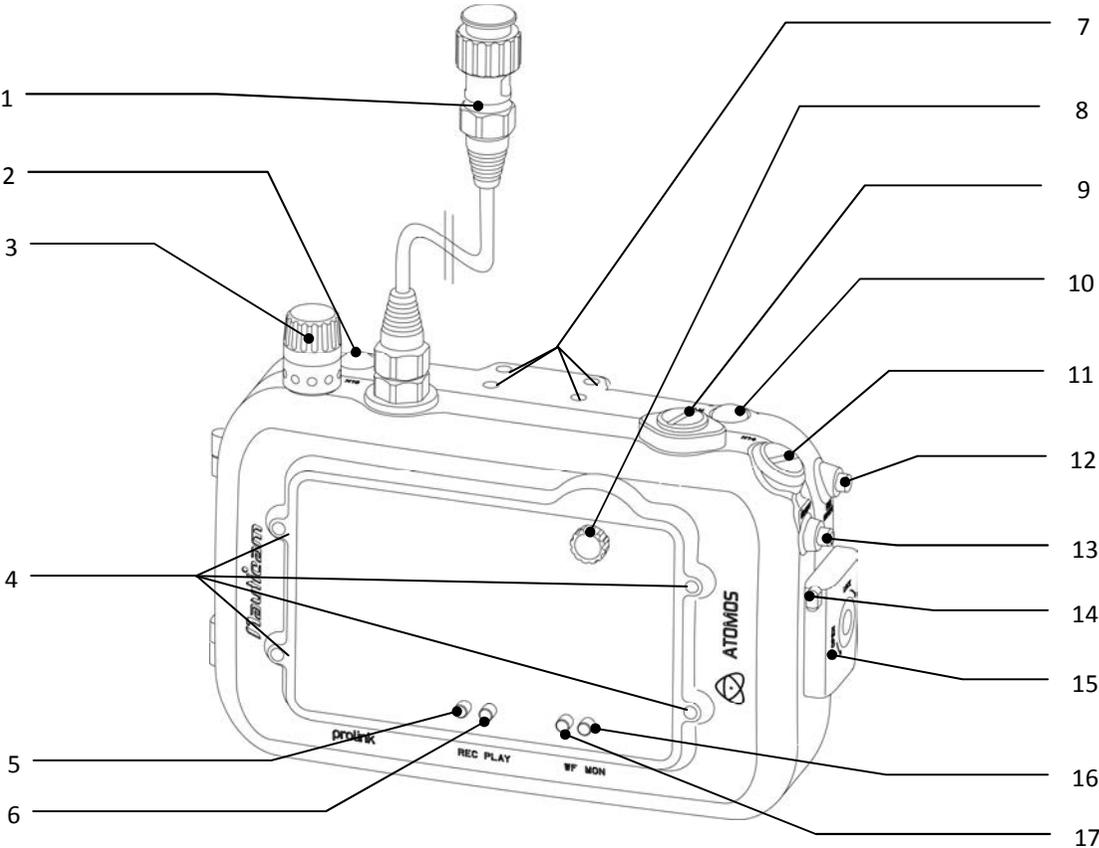
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# Specifications

Construction	Housing body:	Aluminium alloy
	Surface treatment:	Hard anodised
	Display window:	Abrasion resistant polycarbonate
Dimensions	Width:	286mm
	Height:	176mm
	Depth:	120mm
Weight	Approx. 2.35kg	
Buoyancy	Positive	
Depth rating	60 metres	

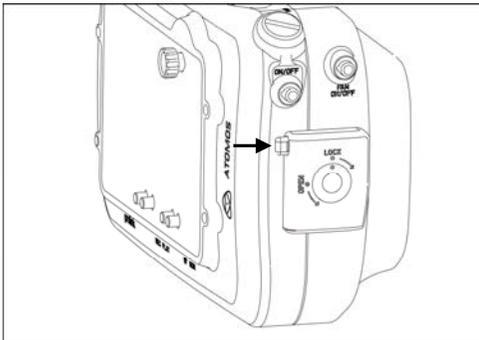
# Identification of Parts



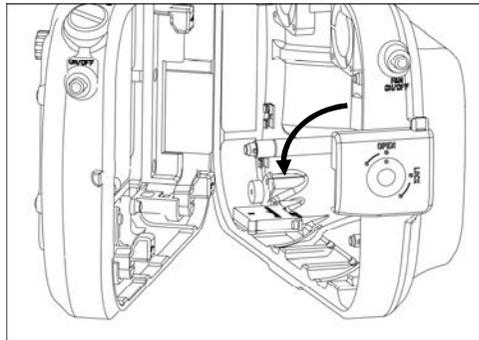
1	HDMI cable	10	Fan indicator
2	Moisture alarm window	11	M14 accessory port
3	M16 Vacuum valve	12	Fan on/off button
4	Threaded holes for monitor hood (4x)	13	Monitor on/off button
5	REC button	14	Housing lock safety button
6	PLAY button	15	Housing lock
7	1/4" threaded holes attachment points (4x)	16	Waveform Monitoring button
8	Swing button for various controls	17	Monitor Assist button
9	M16 accessory port		

# Opening and locking the housing

To open the housing:

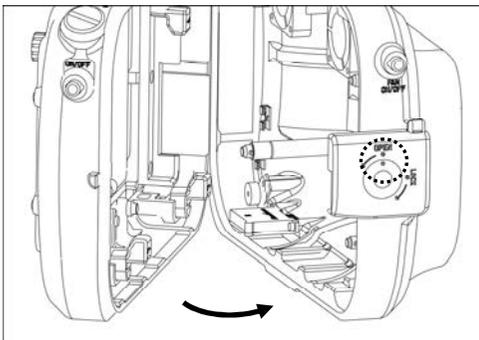


1. Press the housing lock safety button.

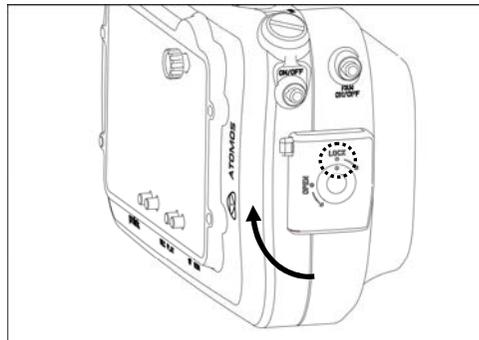


2. Turn the housing lock anti-clockwise for  $270^\circ$ , until the lock reaches the "Open" position as shown.

To lock the housing:



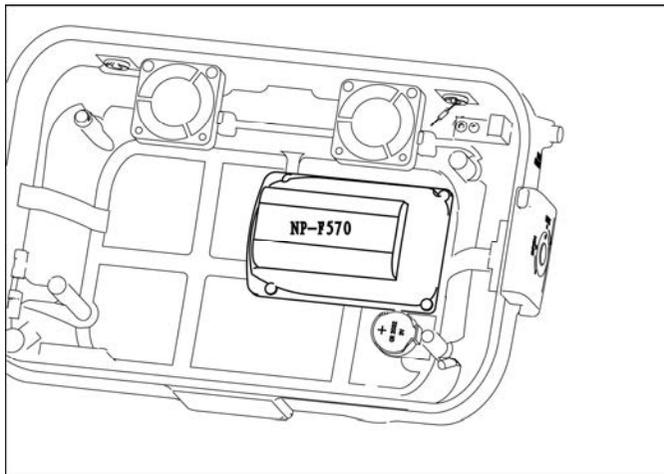
3. Close the housing while the housing lock is in the "Open" position.



4. Turn the housing lock clockwise for  $270^\circ$ , until the lock reaches the "lock" position as shown. Confirm that the white indicator line on the safety button is visible.

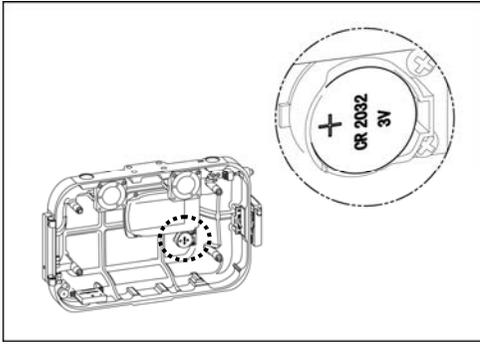
# Preparation of the Housing

1. After verifying that the main O-ring is in good condition, lightly coat it with the lubricant provided.
2. Make sure the O-ring groove located in the front part of the housing is free from any foreign material; the groove can be cleaned with the aid of a microfiber cloth.
3. Place the main O-ring into the groove, first at the corners, then the whole perimeter.
4. Setting up the cooling fans:

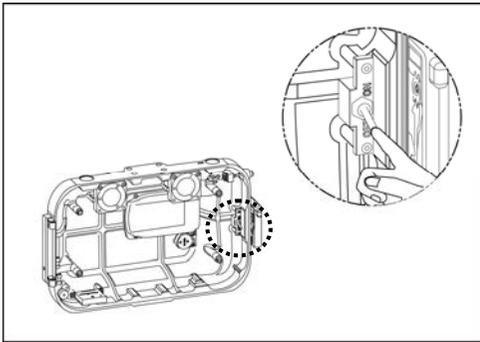


Insert a Sony NP-F570 battery or Atomos 7.4V 2600mah battery to the fan battery holder as shown. Only use the battery models stated above.

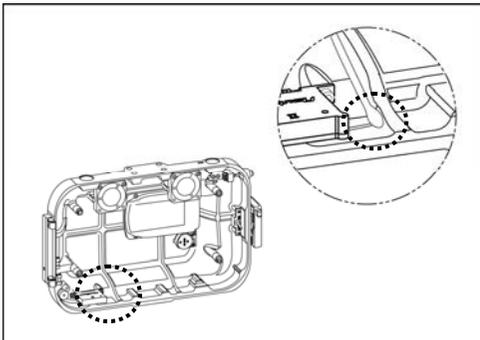
## 5. Setting up the moisture alarm:



1. Install the CR2032 battery provided into the battery compartment on the circuit board inside the front part of the housing.

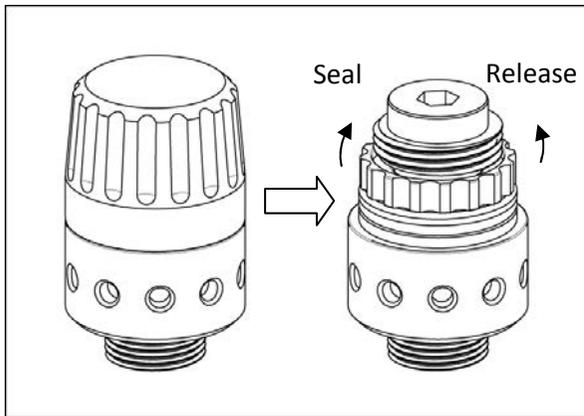


2. Switch the alarm on. The LED light will flash blue once and turn blue for five seconds indicating the battery is normal. Then it goes into flashing blue light standby mode.



3. Test the alarm by connecting the two wires near the bottom of the housing with a damp cotton bud; the alarm should start giving out a repeating “beep” sound along with a flashing red light. The “beep” sound and the light should keep on going for 5 seconds after the removal of the damp cotton bud .

## To build up vacuum



1. Remove the vacuum valve cap.
2. Make sure the vacuum release ring is at its closed position by turning it clockwise until it cannot go any further.

3. After the target vacuum level is reached, i.e. steady green light. It is recommended to leave the housing for at least 20mins to ensure it is sealed. If the LED light changes from steady green light to rapidly flashing yellow light, that means there is a leakage and please check every o-ring and conduct the vacuum test again.

**Caution:** Please DO NOT attempt to go over the designated vacuum level, i.e. stop pumping when the LED turn green. Excessive vacuum level may lead to the malfunctioning of the camera and lens.

**Attention:** Although the vacuum indicator is designed to compensate for a certain amount of temperature variation, it is recommended to conduct the vacuum test in an environment where the temperature is stable.

4. After the target vacuum level is reached, i.e. steady green light. It is recommended to leave the housing for at least 20mins to ensure it is sealed. If the LED light changes from steady green light to rapidly flashing yellow light, that means there is a leakage and please check every o-ring and conduct the vacuum test again.
5. Please ensure that the cap is attached back to the vacuum valve before going underwater.
6. Vacuum can be released by turning the vacuum release ring anti-clockwise.

LED status identification:

On start up:

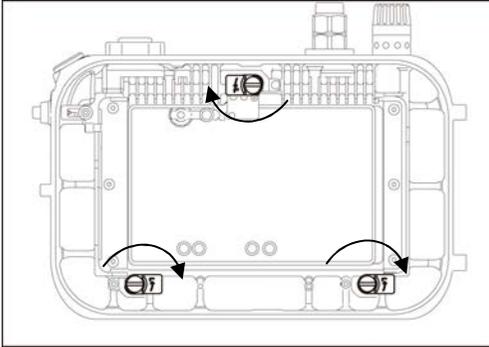
<b>LED indicator</b>	<b>Status</b>
Flash "Blue" light once	Indicates a 2nd generation PCB
Steady "Blue" light	Battery is normal, goes into flashing "Blue" light standby mode after 5 seconds.
"Blue" and "Red" lights alternating	Battery low. Replace battery as soon as possible. Goes into standby mode after 5 seconds.
Steady "Red" light	Battery empty, replace battery.

After start up:

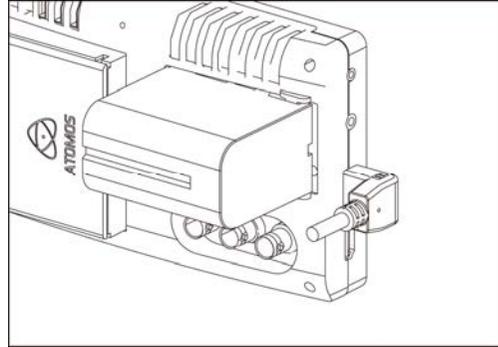
<b>LED indicator</b>	<b>Status</b>
Flashing "Blue" light	Standby mode. The moisture alarm is active, and the system is ready for vacuum indication whenever a vacuum is detected.
Flashing "Red" light with beeping sound	Moisture is detected.
Flashing "Yellow" light	Some vacuum is detected, target vacuum level is not reached.
Steady "Green" light	Target vacuum level is reached.
Rapidly flash "Yellow" light	Vacuum is dropping. (Will occur only after target vacuum level is reached)
Rapidly flashing "Red" light	Vacuum is totally lost. Circuit stalled until switched off. (Will occur only after target vacuum level is reached)

# Installing the Monitor

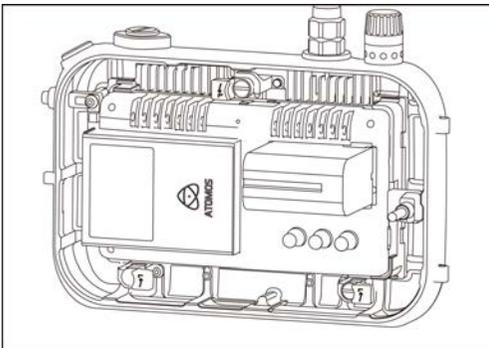
To install the monitor into the housing:



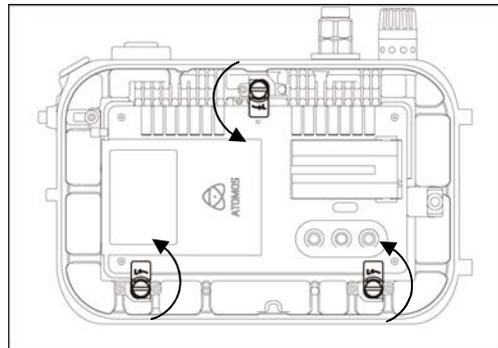
1. Turn the three locking levers in the direction as shown.



2. Connect the HDMI cable with "L" connector to the monitor.



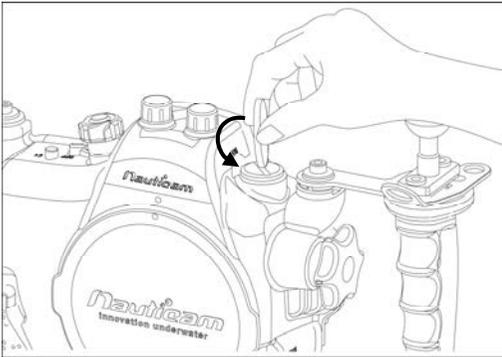
4. Place the monitor inside the housing as shown.



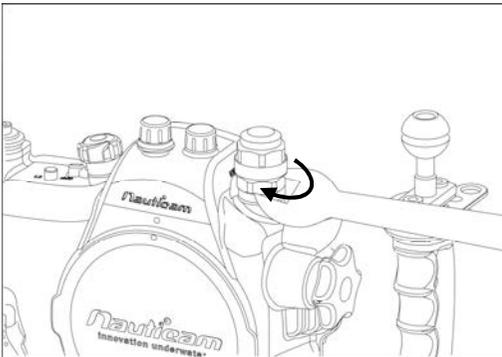
3. Secure the monitor by turning the three locking levers towards the monitor as shown.

# Connecting to the camera housing

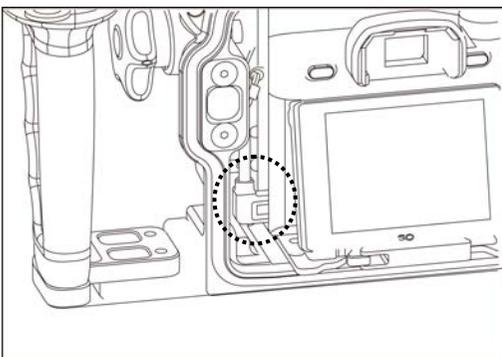
To install the standard HDMI bulkhead:



- i. Unscrew the M16 plug from the threaded hole with a coin.

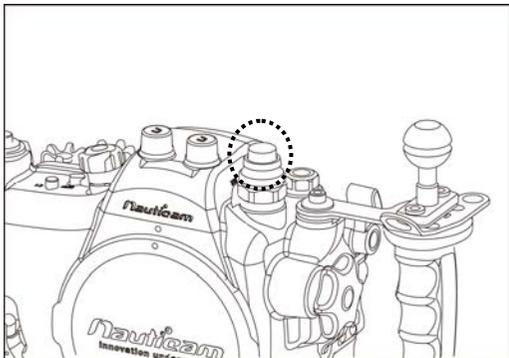


- ii. Insert the HDMI bulkhead with cable into the hole and tighten the it with a spanner.

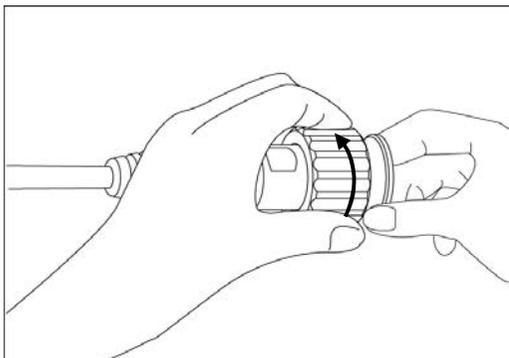


- iii. Connect the HDMI cable to the camera's HDMI connector.

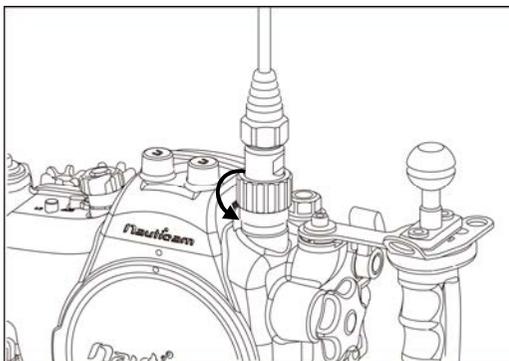
To connect the monitor housing to HDMI bulkhead:



- i. Unscrew the cap off the HDMI bulkhead.



- ii. Unscrew the cap off the HDMI cable.

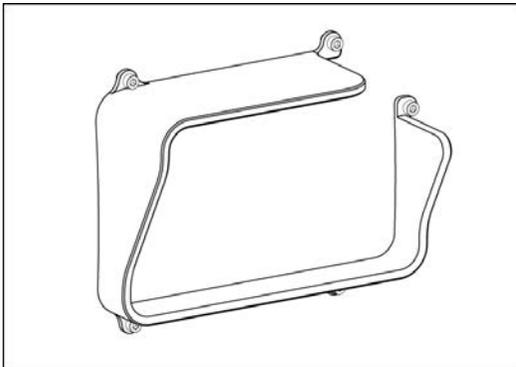


- iii. Align and plug the HDMI cable in the HDMI bulkhead. Tighten the connection by turning the threaded ring on the HDMI cable

# Care and Maintenance

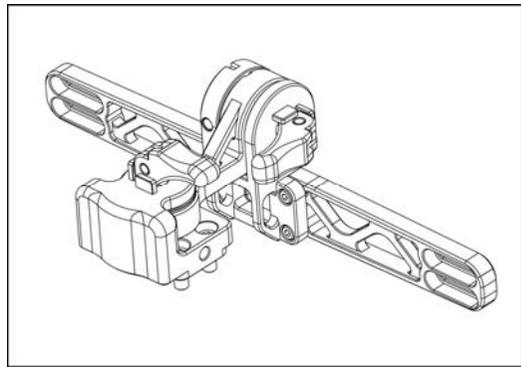
1. Soak the housing system in fresh water after each salt water use, during which all control buttons/knobs should be operated a few times to avoid the accumulation of salt residue; wipe the housing with a towel before opening.
2. Carefully press the housing lock safety button for a few times to avoid the accumulation of salt residue.
3. After each day of diving, it is advisable to have the main O-ring in the front part of the housing removed from its groove with the O-ring remover and inspected for damage. Also check that the O-ring retains its original circular shape; never stretch the O-ring excessively or remove it with a sharp object. The O-ring groove should be cleaned to ensure it is free from any salt deposit or foreign material; lightly coat the O-ring with the provided lubricant before reinstalling it in the groove. A damaged O-ring should be discarded immediately and replaced only with one that is provided by NAUTICAM.
4. Replace the main O-ring annually.
5. It is recommended that you ship the housing to our distributor for a complete overhaul every year or after every 200 dives.

# Optional Accessories



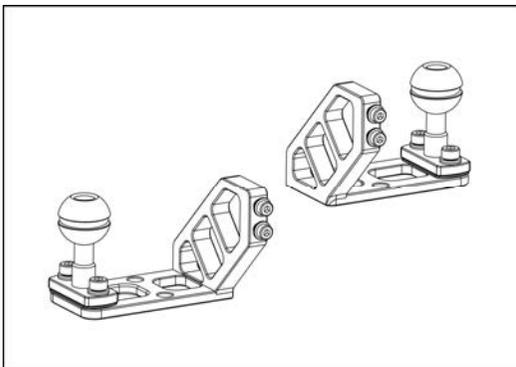
P.N. 17914

Monitor hood for Nauticam Atomos  
Shogun housing



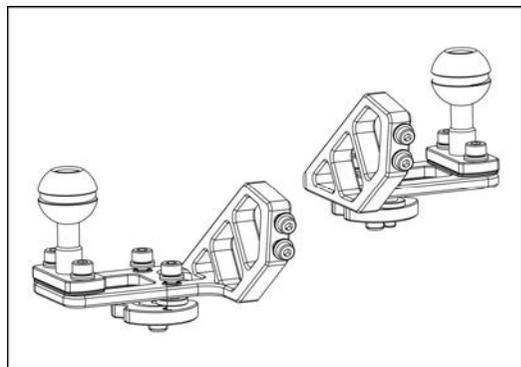
P.N. 17951

Nauticam Atomos Shogun housing  
mounting system



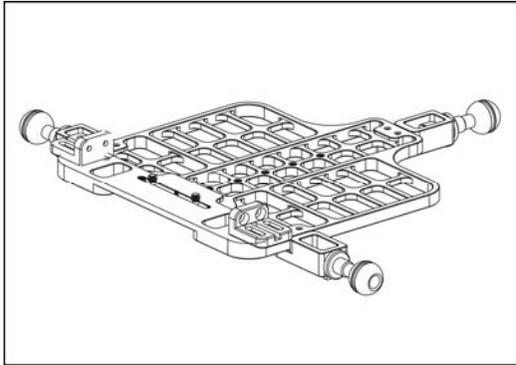
P.N. 17952

Nauticam Atomos Shogun housing  
mounting adaptor for NA-A7S



P.N. 17953

Nauticam Atomos Shogun housing  
mounting adaptor for NA-GH4



P.N. 17954

Tripod plate for NA-A7S and NA-GH4

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