

# NA - NVS

For Atomos Ninja V 5" 4Kp60 4:2:2 10-bit Reorder/Monitor/Player  
(excl. HDMI 2.0 cable) with Atomos AtomX SDI Module

PN 17922S

*\* Version B. SN from A495673*

## User Manual

Housing

Monitor

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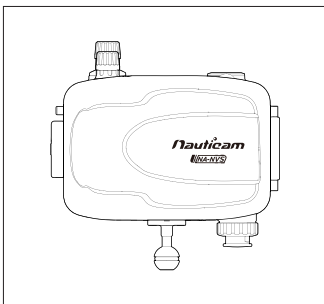
# INTRODUCTION

Thank you for purchasing this Nauticam product.

Before using the product, please read this manual thoroughly to familiarize yourself with full scope of functions on the product as well as ensuring that you will use the product correctly.

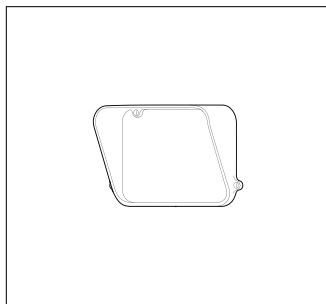
# PACKAGE CONTENTS

Make sure that you have all the included items listed below before using this product. If some items are missing or damaged, contact your local Nauticam dealer.

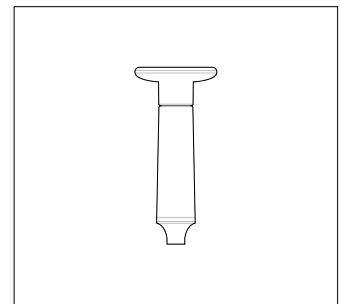


Pre-installed items :

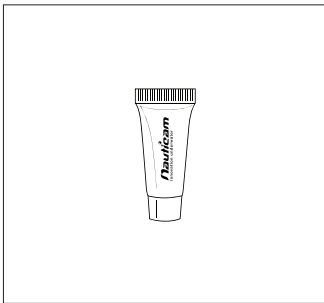
- #25625 M16 Vacuum Valve II
- #25089 M28 HDMI 2.0 Adapter
- #25080 M28-M16 Step Down Adaptor
- #25058 M16 SDI Bulkhead
- #17958 Mounting Ball



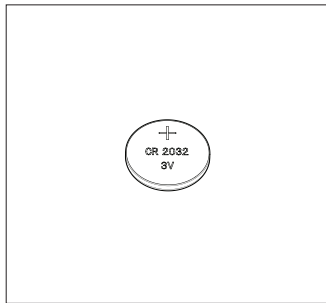
Monitor Hood



Hand Pump

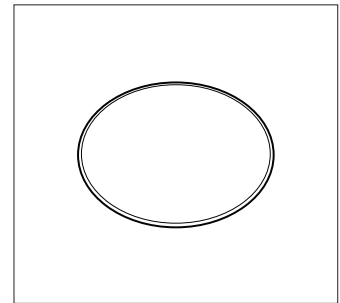


Lubricant

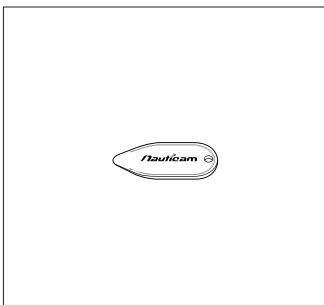


Panasonic CR2032 Battery

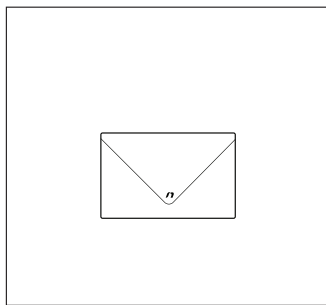
(pre-installed for Moisture Alarm)



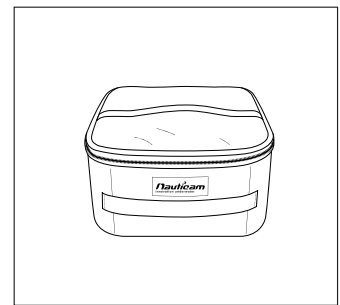
Spare Main O-ring  
# 90137



O-ring Remover



Manual Instruction Card



Padded Travel Case

After purchase, we suggest that you reuse all packaging materials for future travelling.

# IMPORTANT INSTRUCTIONS

1

Water-tight test of the housing (without monitor inside) before usage is recommended as well as any O-ring renewal and port change.

2

Do not seal the housing when travelling by air as this may lead to a pressure difference between the atmosphere and inside the housing.

3

Only the accessories specified by Nauticam must be used. Third-party accessories may result in malfunctions or damage to the product.

4

Use only Nauticam lubricant on silicone rubber O-ring.

5

Do not stretch any O-rings excessively. Only remove it using Nauticam O-ring remover.



6

Discontinue use immediately when there is a sign of leakage.

7

Do not attempt to remove parts of the housing yourself. Repairs must be done at authorized service centers only.

8

The housing should be positioned on the a stable and safe surface on land.

9

Do not expose the housing in direct sunlight for a prolonged period.

10

Do not open the housing in wet or sandy environment. Protect the housing from moisture and debris in order to prevent malfunction or leakage.

11

Prevent any sand or dust or water penetration inside the housing. Be extra careful when inserting or removing the monitor.

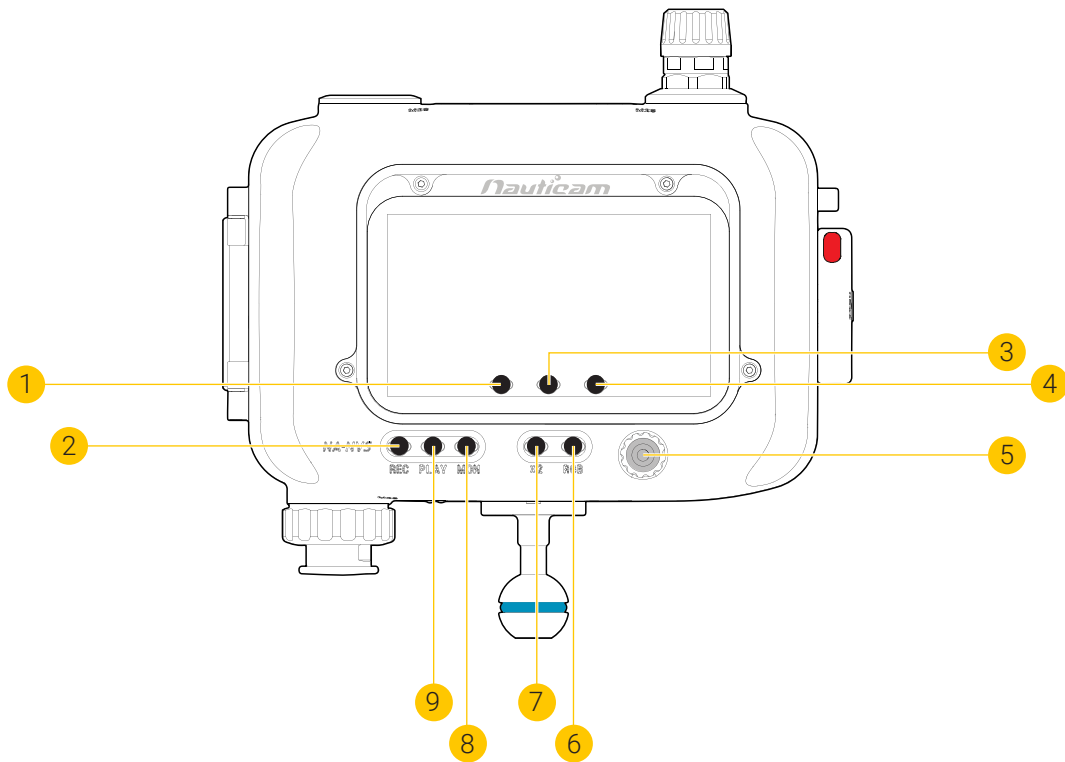


12

This product is not intended for use by children, or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised and/or given instruction by a responsible person concerning use of the product to ensure that they can use it safely.

# PART NAMES AND FUNCTIONS

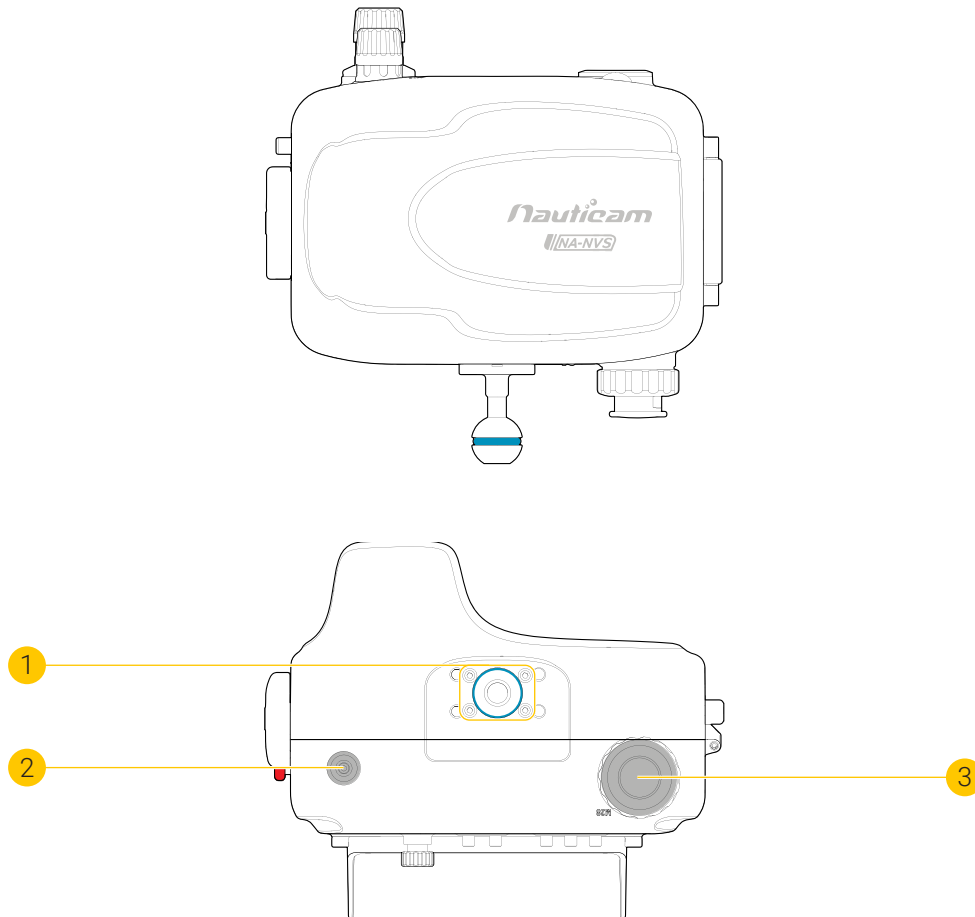
Rear View



- |   |                      |   |            |
|---|----------------------|---|------------|
| 1 | X1 button            | 2 | REC button |
| 3 | RGB OVE button       | 4 | VEC button |
| 5 | Multi selector lever | 6 | RGB button |
| 7 | X2 button            | 8 | Mon button |
| 9 | Play button          |   |            |

# PART NAMES AND FUNCTIONS

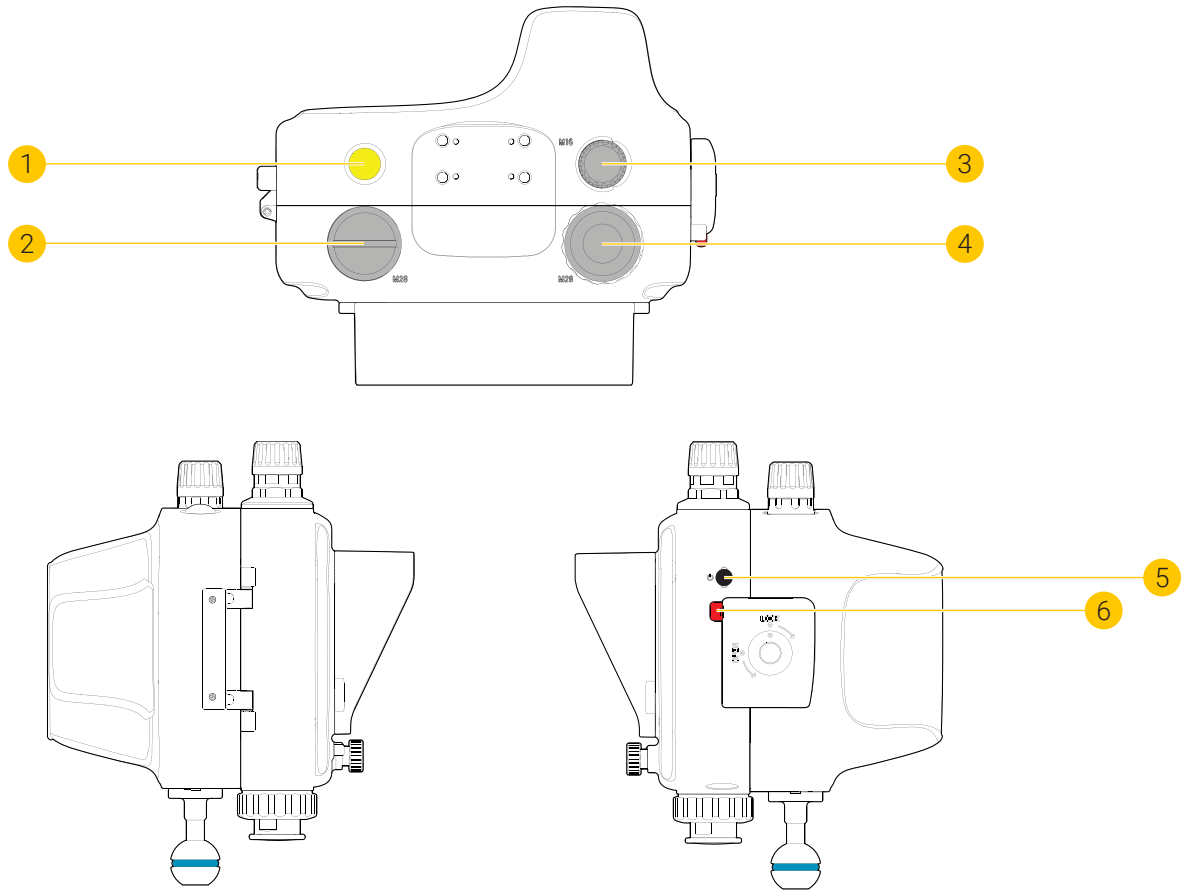
Front + Bottom Views



- 1 Mounting ball with screws
- 2 Zinc anodes
- 3 M28 HDMI 2.0 adaptor

# PART NAMES AND FUNCTIONS

Top + Side Views



1 Moisture alarm window

3 M16 Vacuum valve II

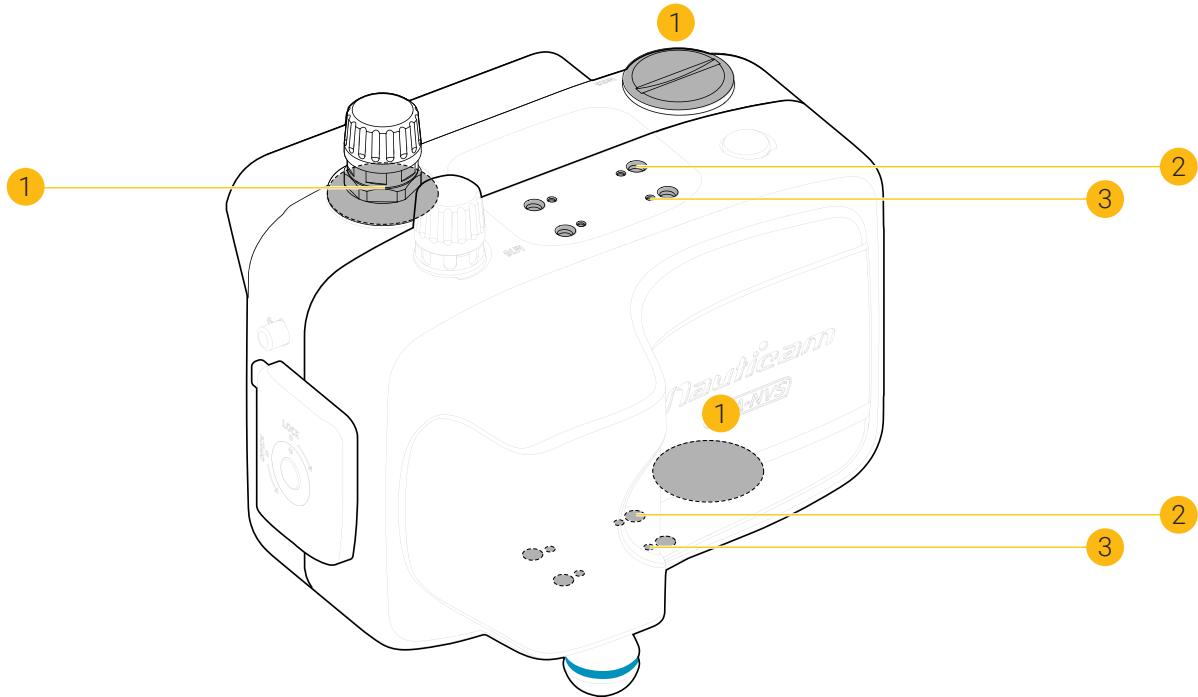
5 Power button

2 M28 Accessory port

4 M28 HDMI 2.0 adaptor

6 Housing unlock button

# HOUSING MOUNT



## Housing mount

- 1 M28 Accessory port  
*\* Bottom M28 Accessory port was added from SN A495673*
- 2 1/4"-20 UNC holes
- 3 M3 Screw holes

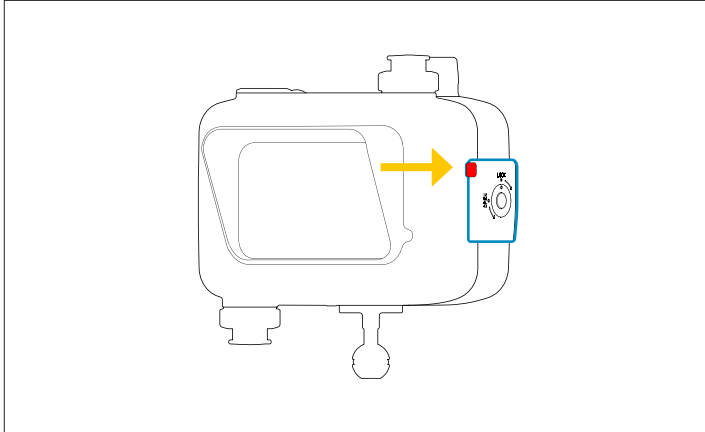
## Compatible accessories

- |       |   |
|-------|---|
| 25080 | M28-M16 Step Down Adaptor   |
| 25089 | M28 HDMI 2.0 Adaptor  |
| 17951 | Nauticam Monitor Housing Mounting System  |
| 16226 | Mounting Brackets for Monitor Housing<br><i>* 16226 is not compatible with 17922S before SN A495673</i> |
| 17954 | Universal Tripod Plate for Nauticam Housings  |
| 17958 | Mounting Ball   |

# OPENING THE HOUSING

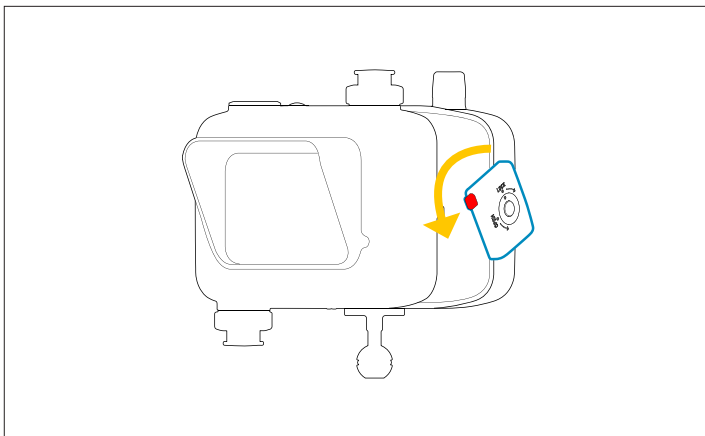
\* drawings as illustrations only

1



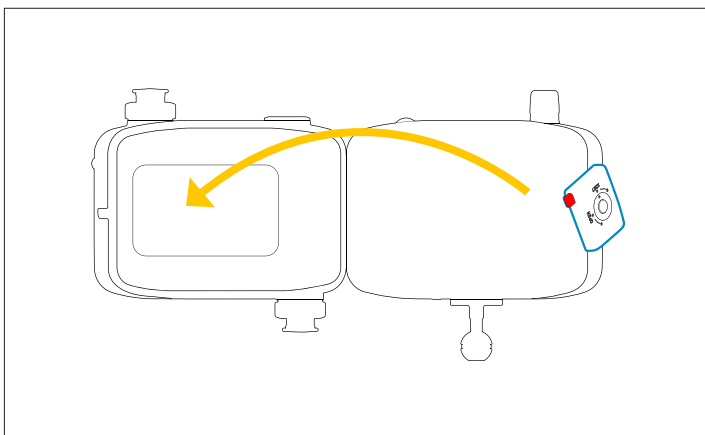
depress housing unlock button

2



turn housing lock latch  
anti-clockwise to open the  
housing

3

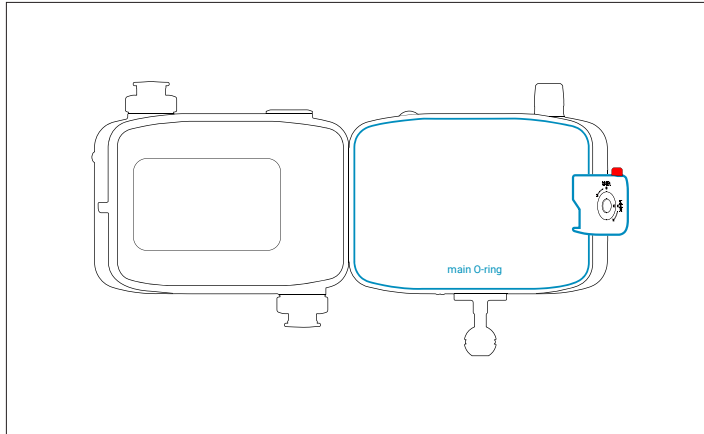


flip open the back housing  
when lock latch is aligned to  
'open' position

# CLOSING THE HOUSING

\* drawings as illustrations only

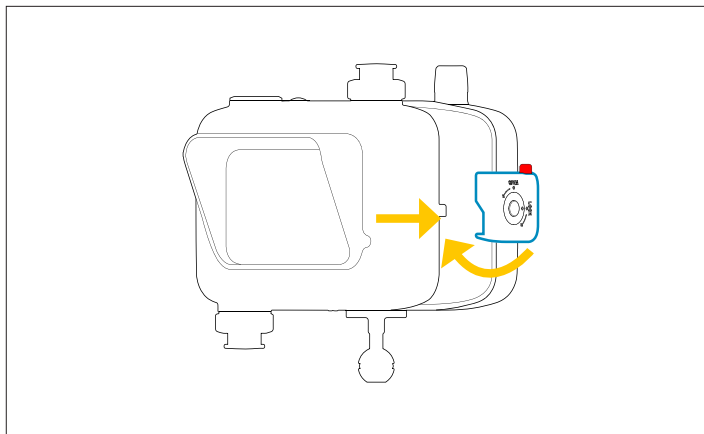
1



before closing the housing, clean and lubricate the main O-ring

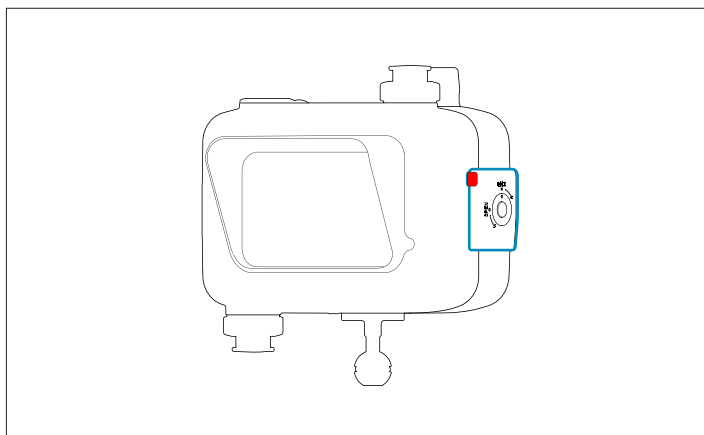
make sure nothing is caught between front and back housing and that they are fully aligned before locking

2



insert the housing shaft into the shaft hole and then rotate the lock latch clockwise until you hear and feel it click into place

3



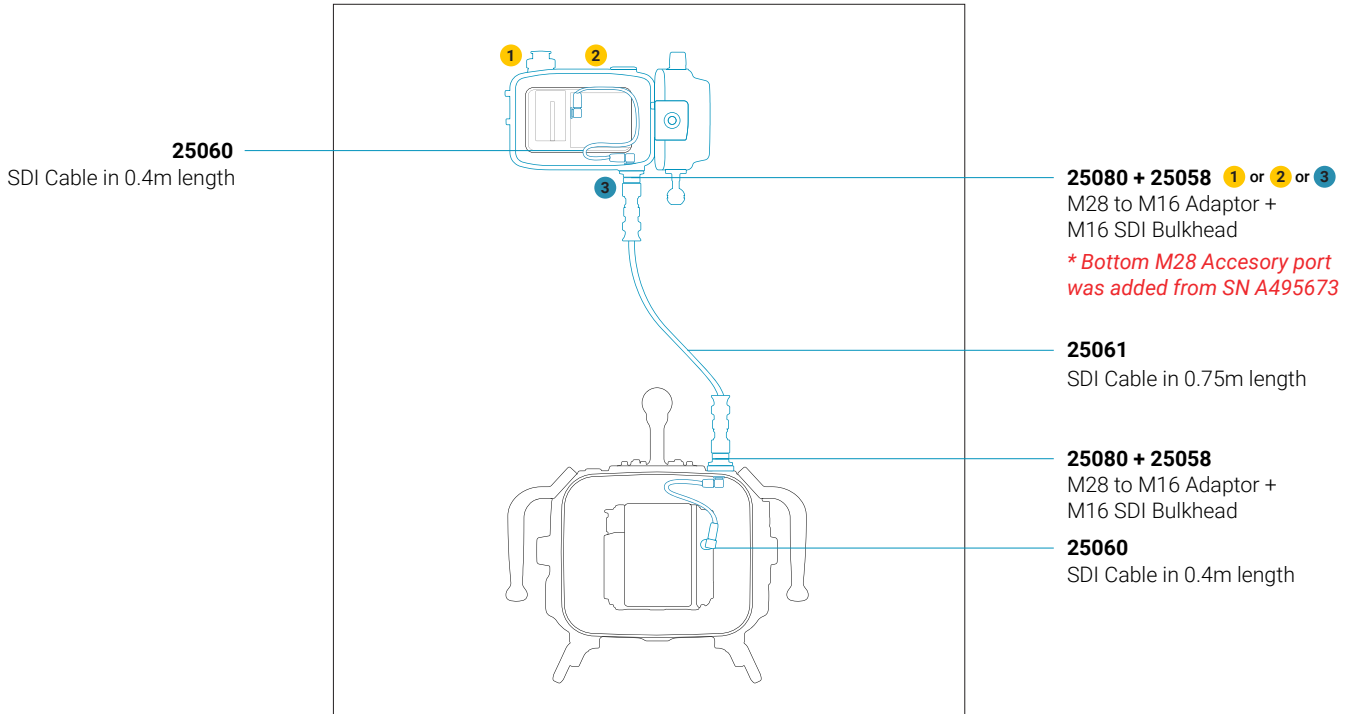
housing locked in place securely



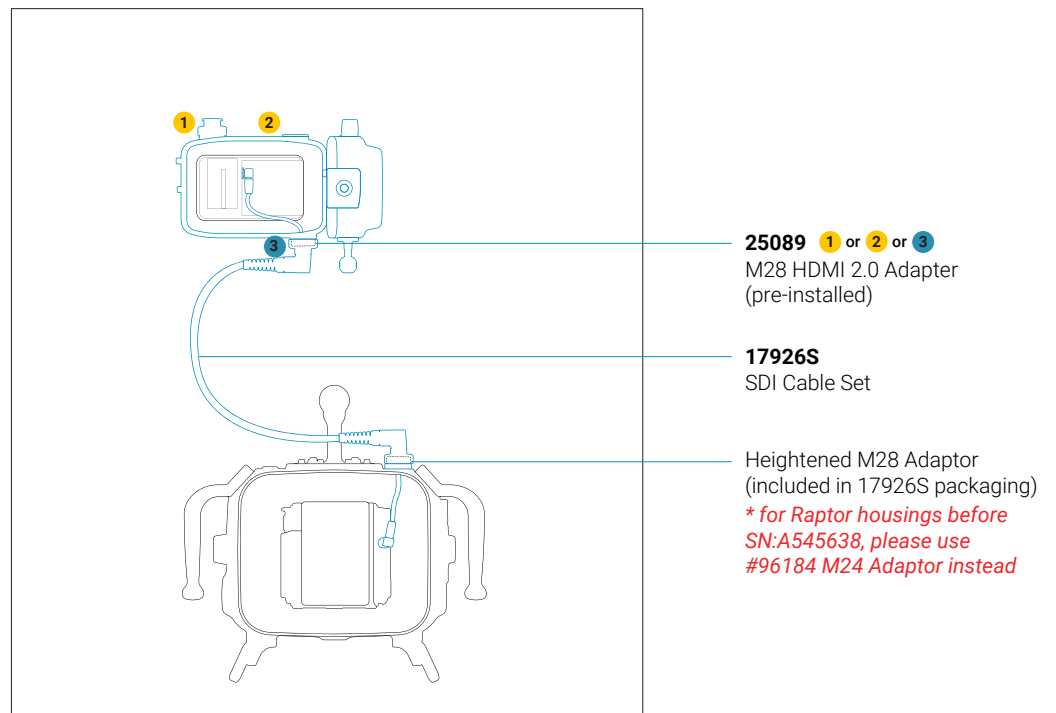
# SETUP OPTIONS - SDI IN

\* drawings as illustrations only

## SDI IN (with straight SDI cable)



## SDI IN (with right angle cables)

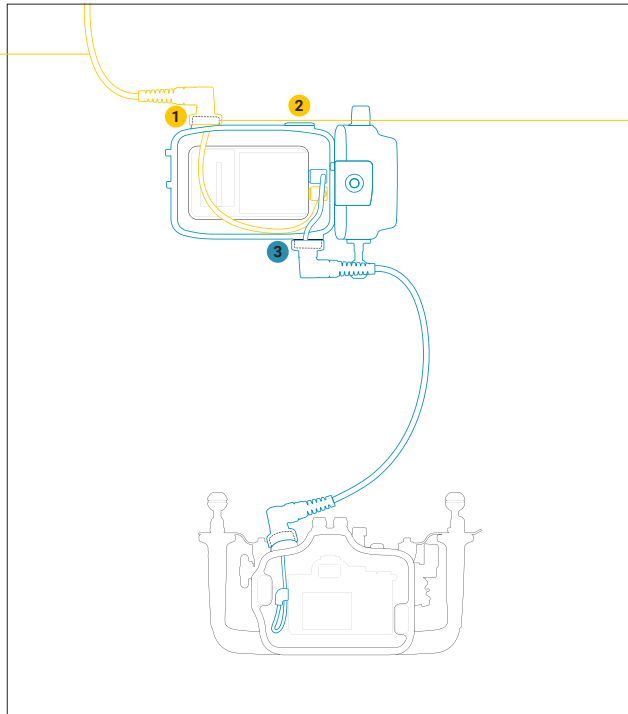


# SETUP OPTIONS - HDMI / SDI OUT

\* drawings as illustrations only

## HDMI OUT (Connection with Camera/ Cinema Housing)

**25093**  
HDMI(A-A) surface monitor  
cable 13m

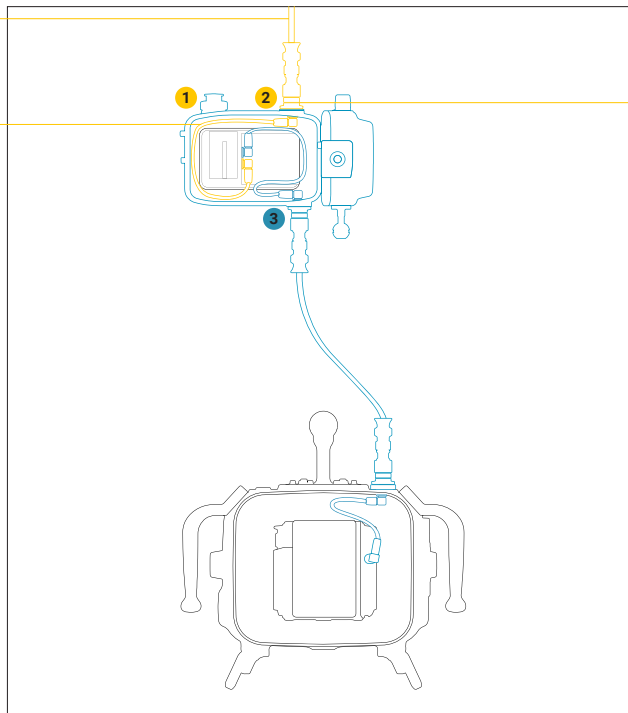


**25089** ① or ②  
M28 HDMI 2.0 Adapter  
(pre-installed)  
*\* Bottom M28 Accessory port  
was added from SN A495673*

## SDI OUT (Connection with Camera/ Cinema Housing)

**25064 or 25065**  
SDI Surface monitor cable  
15m or 45m

**25060**  
SDI Cable in 0.4m length



**25080 + 25058** ① or ②  
M28 to M16 Adaptor +  
M16 SDI Bulkhead

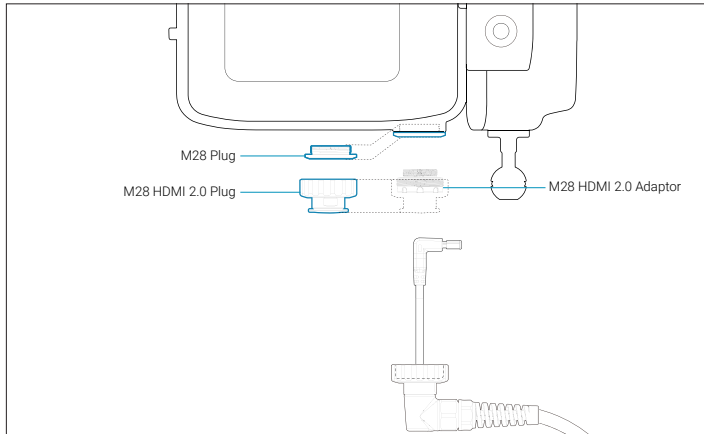
— Connect to surface  
— Connect to housing

# CABLE CONNECTION - INTO MONITOR HOUSING

\* drawings as illustrations only

HDMI IN / SDI IN - Page 1

1

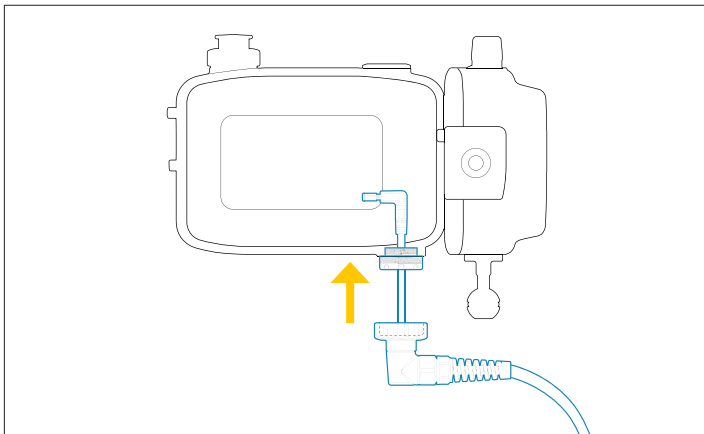


unscrew the M28 plug from the accessory port with a coin

remove the cap of M28 HDMI 2.0 Adaptor and screw it onto the monitor housing

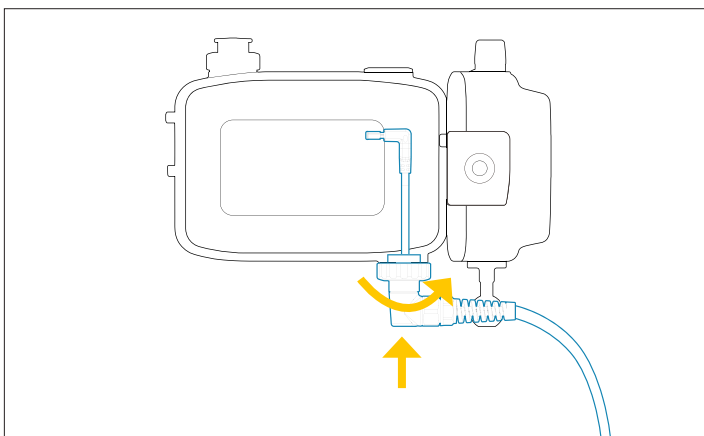
if the M28 HDMI 2.0 Adaptor is pre-installed, simply remove the cap from the housing

2



plug the cable into the Port

3



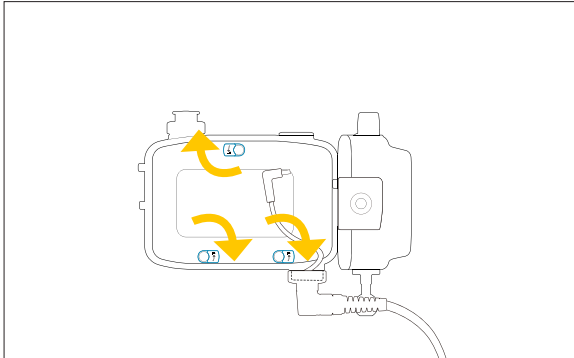
connect the cable onto monitor housing by securing the screw

# CABLE CONNECTION - INTO MONITOR HOUSING

\* drawings as illustrations only

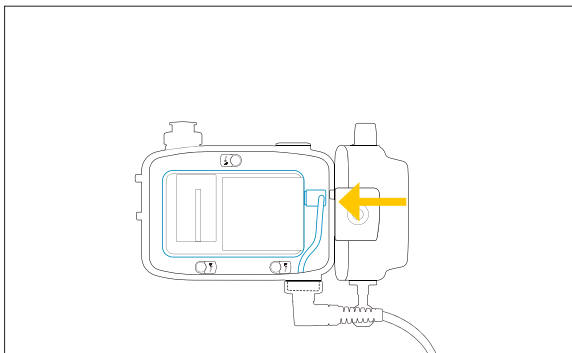
HDMI IN / SDI IN - Page 2

4



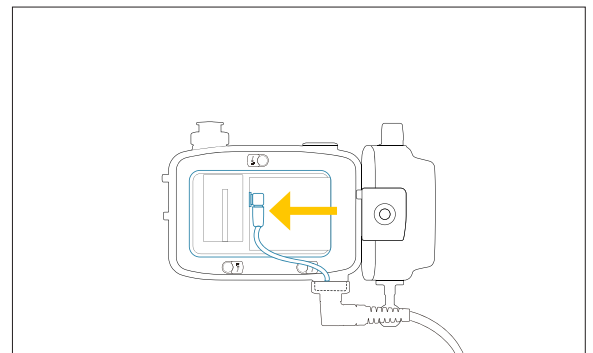
turn the three locking levers in the direction as shown

5 HDMI In



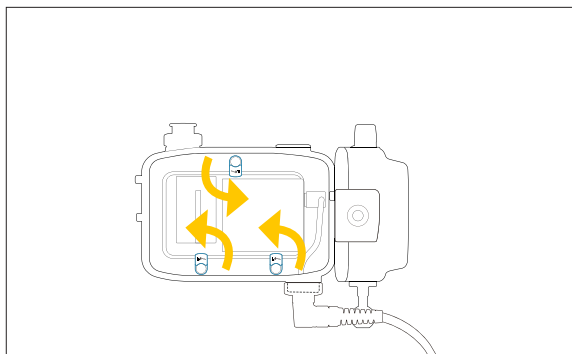
connect the HDMI cable, then place the monitor inside the housing

SDI In



connect the SDI cable, then place the monitor inside the housing

6

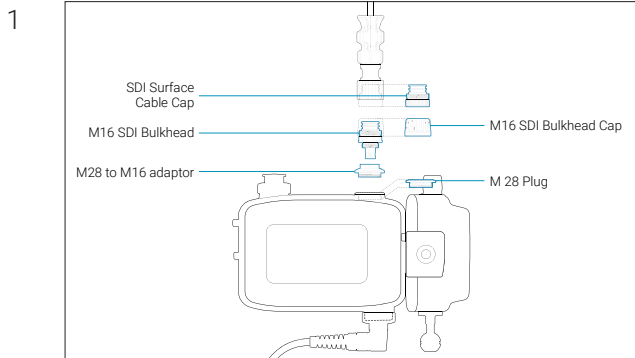


secure the monitor by turning the three locking levers as shown

# CABLE CONNECTION - SDI OUT

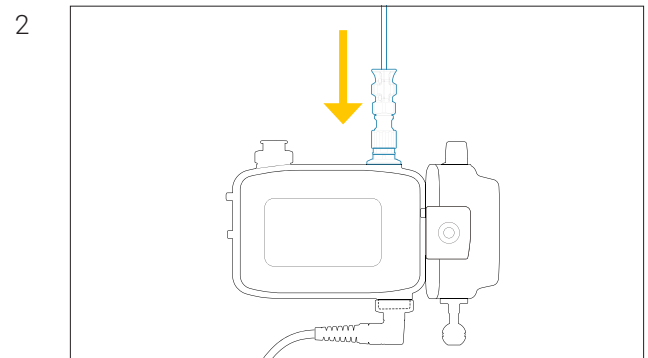
\* drawings as illustrations only

\* Please note that M16 SDI Bulkhead, 25060 SDI cable and SDI surface cable is not included in the package

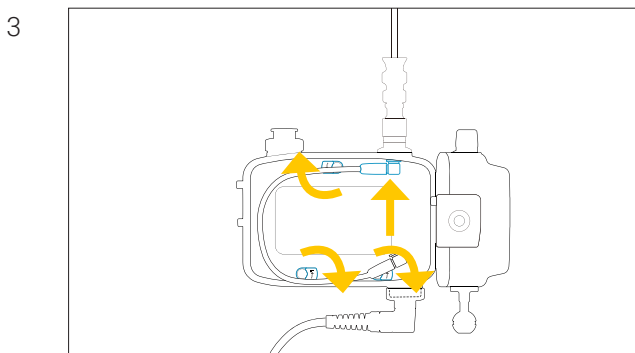


unscrew the M28 plug on the monitor housing with a coin and remove the caps of M16 SDI Bulkhead and SDI surface cable

tighten the M16 SDI Bulkhead into the M28-M16 step down adaptor

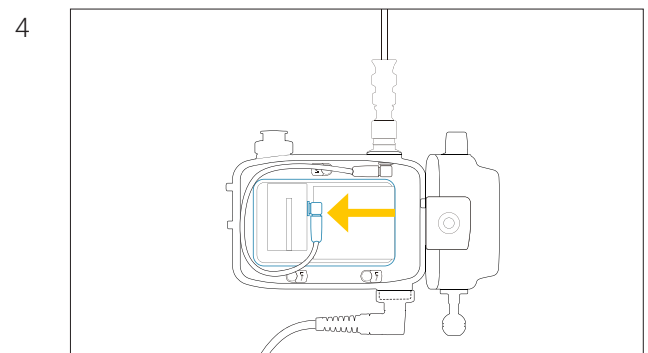


plug the cable into the SDI bulkhead



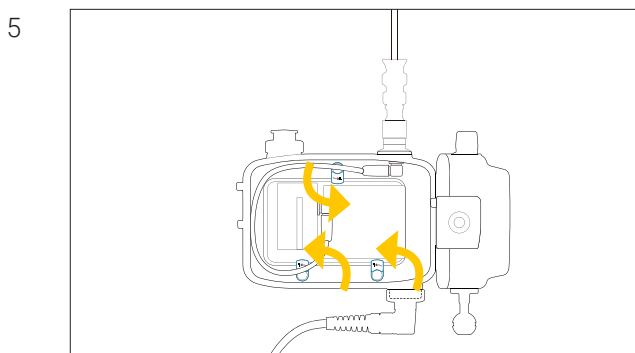
turn the locking levers in the direction as shown

then connect the 25060 SDI cable to the M16 SDI bulkhead as shown



place the monitor inside the housing

then wrap the internal SDI cable around the battery and connect the cable to the monitor SDI-out socket

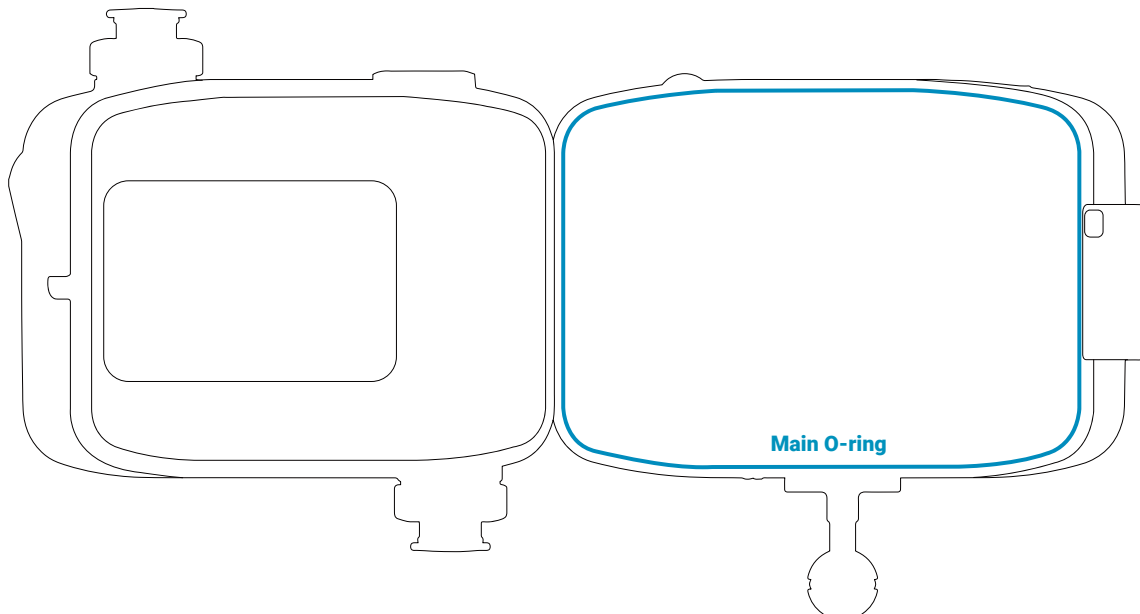


secure the monitor by turning the locking levers towards the monitor as shown

# PREPARATION FOR USE

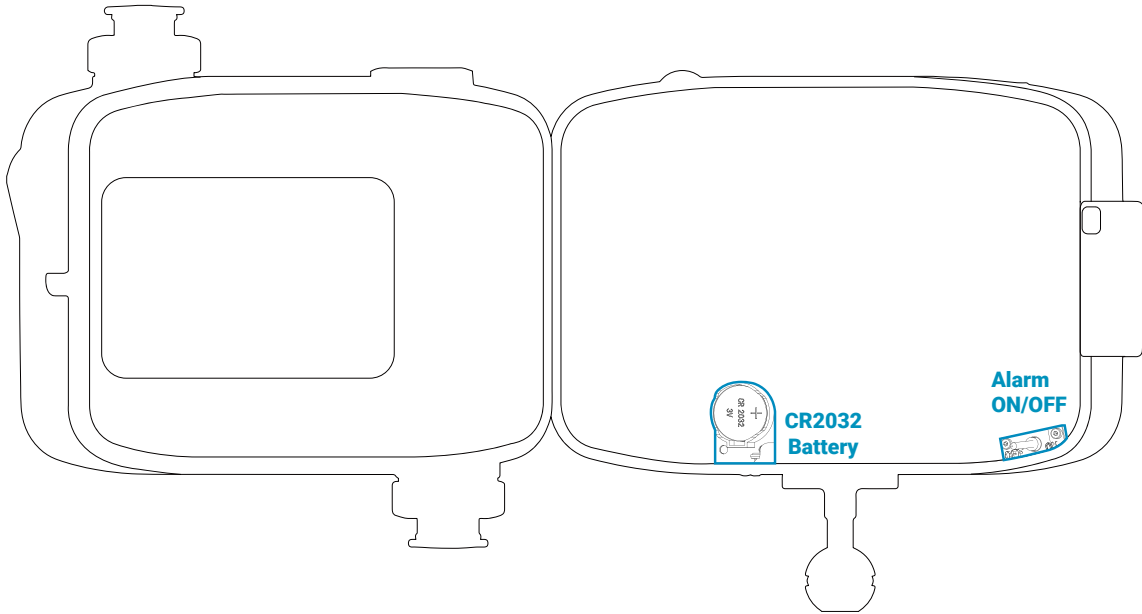
\* drawings as illustrations only

Coating housing O-ring

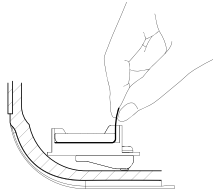


- 1  
remove the main O-ring using an O-ring remover
  
- 2  
clean the O-ring groove with a cloth and ensure that it is free from salt or other foreign materials
  
- 3  
lightly coat it with provided lubricant
  
- 4  
return the main O-ring by slowly pressing from one corner to the whole perimeter

# PREPARATION FOR USE

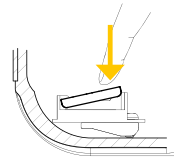


1



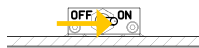
remove battery  
insulation film

2



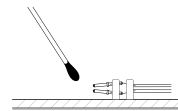
press the battery down until it  
click into place

3



switch on the alarm  
- the moisture alarm  
window will flash in  
**BLUE** when it is working  
correctly

4



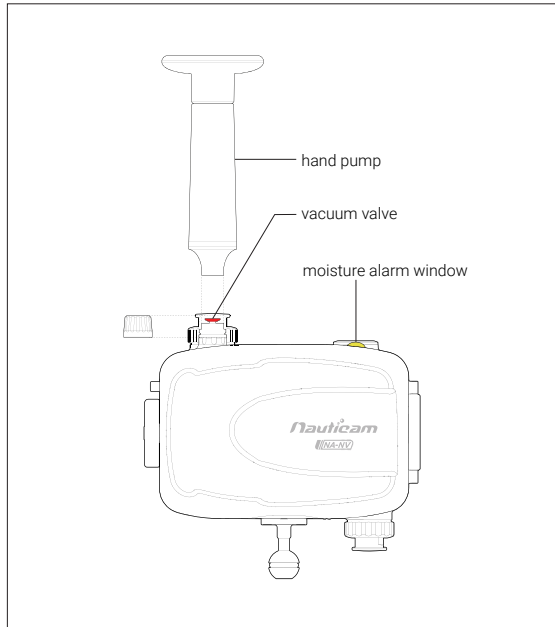
test the alarm  
- connect the wires with a  
dampened cotton bud; the  
alarm will give a repeating  
'beep' and the moisture alarm  
window will flash **RED**

# PREPARATION FOR USE

\* drawings as illustrations only

Pre-installed #25625 M16 Vaccum Valve II

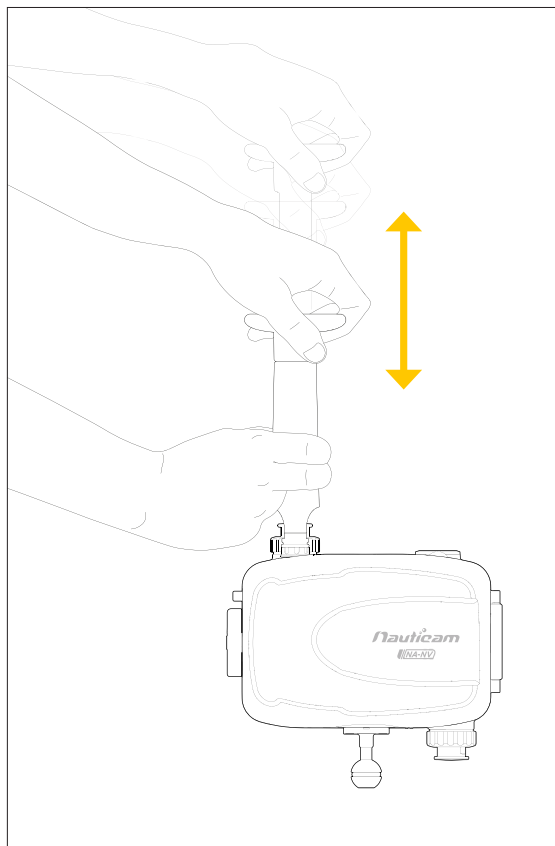
1



remove the cap from the pre-installed vacuum valve

connect hand pump to the valve








2



pump several times until it reaches the target vacuum level

close vacuum valve cap

Moisture alarm window colour indication :

Steady Blue		device is turned on
Flashing Blue		standby mode, ready for pumping
Steady Green		target vacuum level is reached
Flashing Yellow		vacuum level is dropping
Flashing Red		vacuum is totally lost, circuit stalled until device is switched off
Alternating Blue and Red		vacuum is totally lost, circuit stalled until device is switched off
Steady Red		out of battery

*\* 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. Please check every O-ring and then conduct the vacuum test again.*

*\* please contact our authorized service centers if testing fails*

## CARE/STORAGE

1

Soak the housing system in fresh water after salt water usage

2

Operate all controls and buttons at least 3 times while immersed in fresh water

3

We recommend cleaning and inspecting the main O-ring each time after diving for any damage and every time the housing is opened.

4

Protect the housing with robust and shock-proof travel case during transportation. Do not travel with monitor inside housing.

5

We recommend to ship the housing to our service centers for a complete overhaul after 200 dives/every 2 years.

# WARRANTY

All NAUTICAM Housing Products and Viewfinders are warranted against any material and manufacturing defects for two years from the date of purchase for consumer use. NAUTICAM Optical Accessories are warranted against material and manufacturing defects for a period of one year, and HDMI cables carry a year warranty.

This warranty only applies to products purchased from authorized NAUTICAM dealers and does not extend beyond the original retail purchaser.

To return your product for service, please contact your regional authorized service center(s). Please note that this warranty only applies when the product is purchased in the territory where the service center is located.

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.

NAUTICAM does not hold responsibility for damage, of any nature, to any equipment used with and/or placed within our products.

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.

Unauthorized modifications and/or repairs of our products will automatically invalidate the warranty.

# SPECIFICATIONS

## NA-NVS

Atomos Ninja V and Ninja V+ 5" Recorder/Monitor/Player with Atomos Atomx SDI Module

### Construction

Housing body	Hard Anodized Aluminium Alloy
Display window	Abrasion Resistant Polycarbonate

### Dimensions

Width	223 mm
Height	169 mm
Depth	143 mm

### Weight

In air	1.67 kg
In water	- 0.31 kg (incl.Ninja V with Atom X SDI , Sony NP-F970 battery)

### Depth

Rating	100 m
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### Port specifications

Port accessories	1 x M16, 3 x M28
Pre-installed adaptor	# 25625 M16 Vacuum Valve II # 25080 M28-M16 Step Down Adaptor # 25058 M16 SDI Bulkhead # 25089 M28 HDMI 2.0 Adaptor

### Optional mounting accessories

17951 Nauticam Monitor Housing Mounting System (from SN A158538 onwards.)
17952 Nauticam Atomos Shogun Housing Mounting Adaptor
17953 Nauticam Atomos Shogun Housing Mounting Adaptor
17954 Universal Tripod Plate for Nauticam Housings
17957 Nauticam Atomos Shogun Housing Mounting Adaptor
17958 Mounting Ball
16226 Mounting Brackets for Monitor Housing to use with Cinema Housings

\* 16226 is not compatible with 17922S before SN A495673

### Compatible monitors

Atomos Ninja V Monitor
Atomos Ninja V+ Monitor
Atomos Ninja 5.2" Monitor
Atomos Ninja Ultra 5.2" Monitor

### Compatible media

AtomX SSD Mini Drive Only
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### Compatible batteries

Sony NP-F970 battery
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**Nauticam Internationl Ltd.**

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