

# NA - A7SIII

For Sony A7SIII Camera with HDMI 2.0 support

PN 17428

**User Manual**

Housing

FF- MIL

Introduction	2
Package Contents	2
Important Instructions	3
Part Names and Functions	4
Opening the housing	7
Closing the housing	8
Preparation for Use	9
Recommended Accessory	14
Care/Storage	16
Warranty	17
Specifications	18



# INTRODUCTION

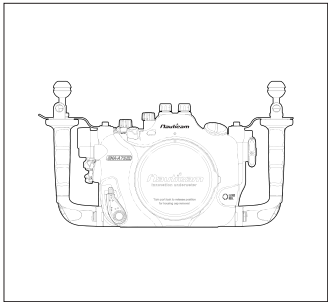
Thank you for purchasing this Nauticam product.

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.



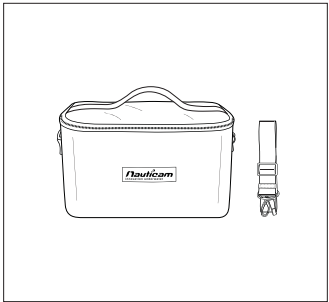
# PACKAGE CONTENTS

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.

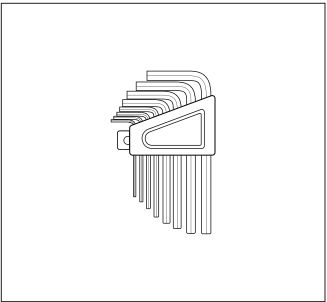


NA-A7SIII

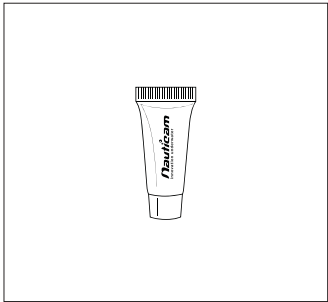
(2 x Handles with Mounting Balls, 1 x Housing Cap,  
2 x Optical Fiber Mount Caps, 2 x Stainless Steel Handle Brackets)



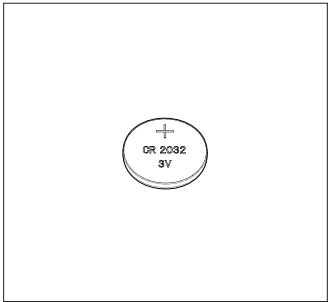
Padded Travel Case



Allen key set

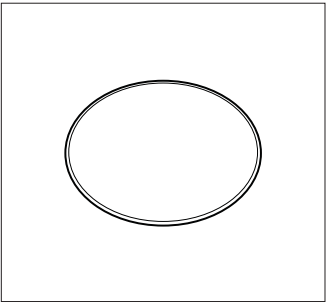


Lubricant



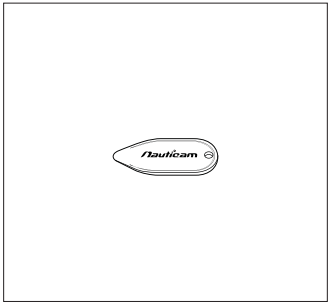
Panasonic CR2032 Battery

(pre-installed for Moisture Alarm)

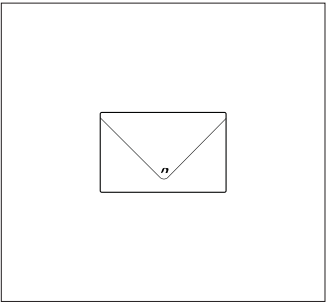


Spare Main O-ring

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



O-ring Remover



Manual Instruction Card

## IMPORTANT INSTRUCTIONS

1

Water-tight test of the housing (without camera 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 changing lens and inserting or removing the camera.

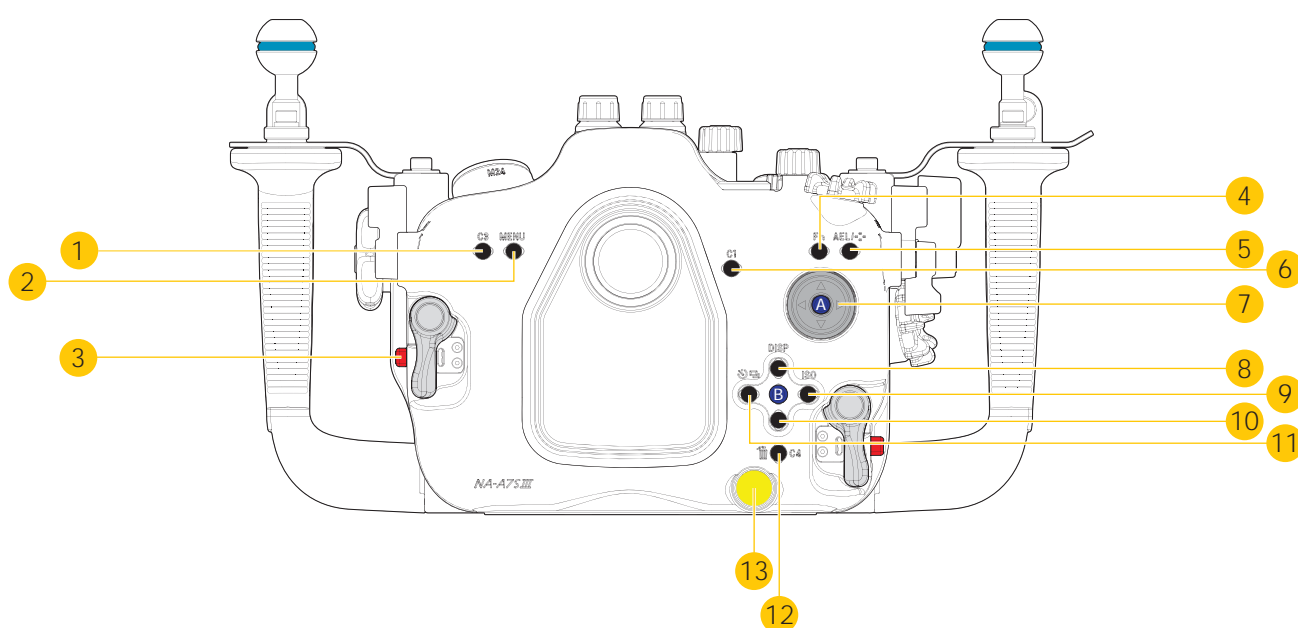


12

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

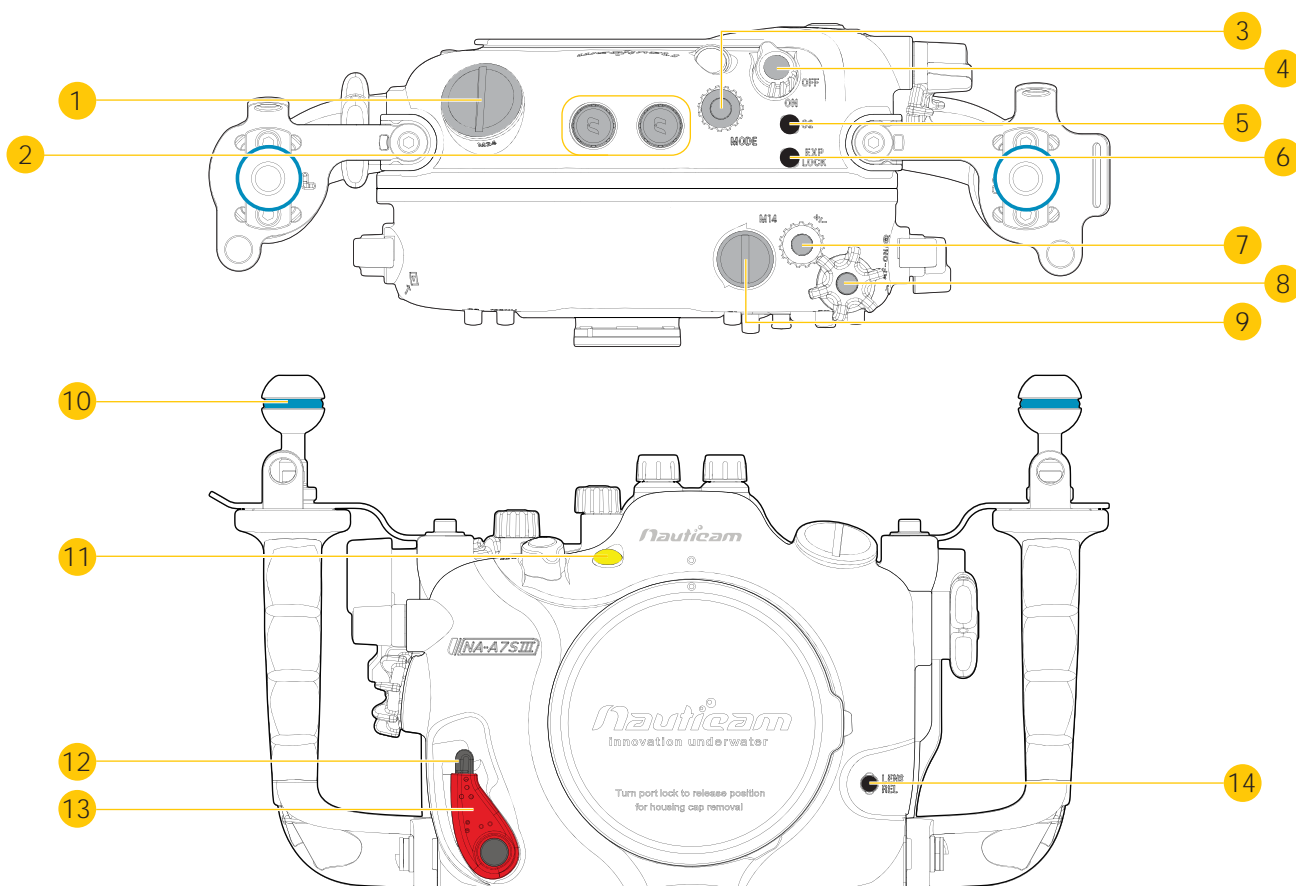


- |                          |                           |
|--------------------------|---------------------------|
| 1 C3 button              | 2 Menu button             |
| 3 Housing unlock button  | 4 Fn button               |
| 5 AEL/Image index button | 6 C1 button               |
| 7 Multi selector         | 8 Display button          |
| 9 ISO button             | 10 Control wheel - bottom |
| 11 Drive mode button     | 12 C4/Delete button       |
| 13 Moisture alarm window | A Multi selector - center |
| B Control wheel - center |                           |



# PART NAMES AND FUNCTIONS

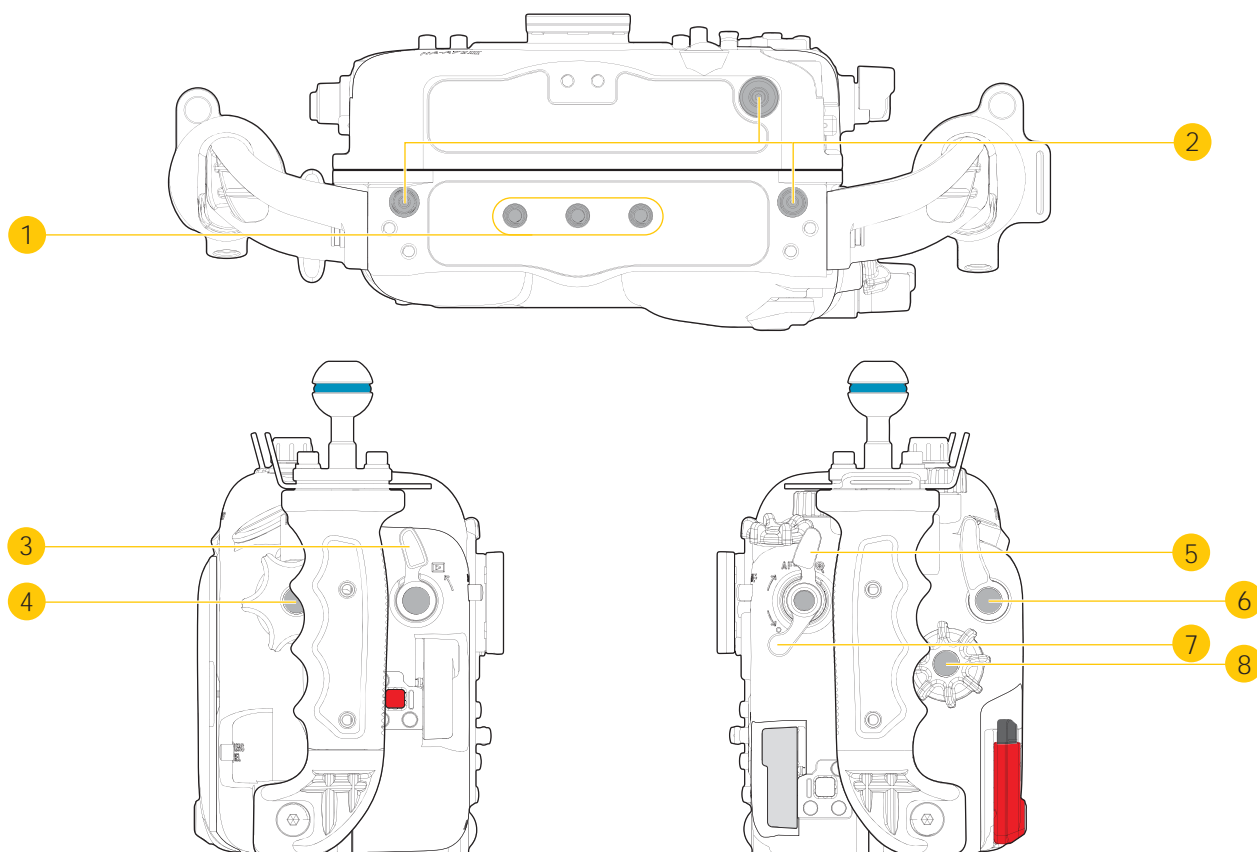
Top + Front Views



- |  |                                     |
|--|-------------------------------------|
| 1 M24 Accessory port                   | 2 Optical fiber cable connection    |
| 3 Mode dial                            | 4 Main Switch                       |
| 5 C2 button                            | 6 Exposure compensation lock button |
| 7 Exposure compensation dial           | 8 Rear dial                         |
| 9 M14 Accessory port                   | 10 Accessory mounting ball          |
| 11 AF illuminator/Visible light sensor | 12 Port lock safety button          |
| 13 Port locking lever                  | 14 Lens release button              |

## PART NAMES AND FUNCTIONS

Back + Side Views



1 1/4" Threaded tripod holes

3 Playback lever

5 AF-ON/Enlarge lever

7 REC button

2 Zinc Anodes

4 Zoom/Focus dial

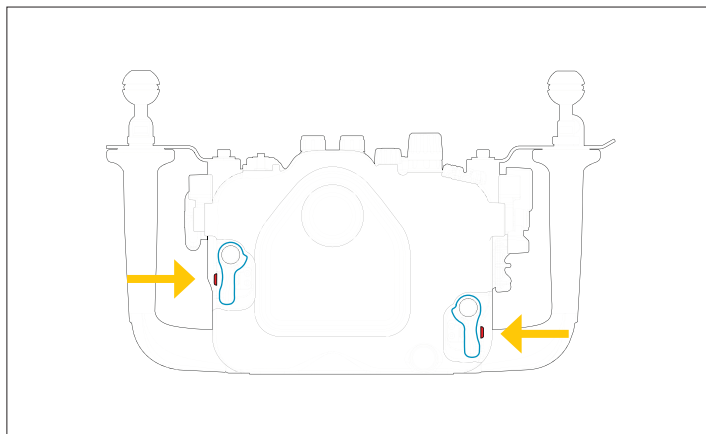
6 Shutter release lever

8 Front dial

## OPENING THE HOUSING

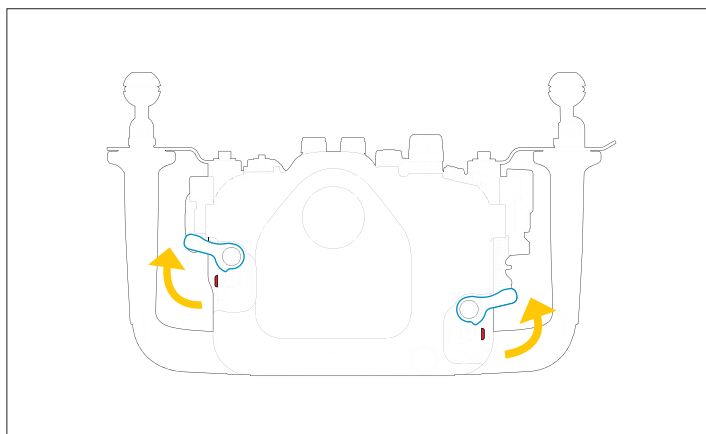
\* drawings as illustrations only

1



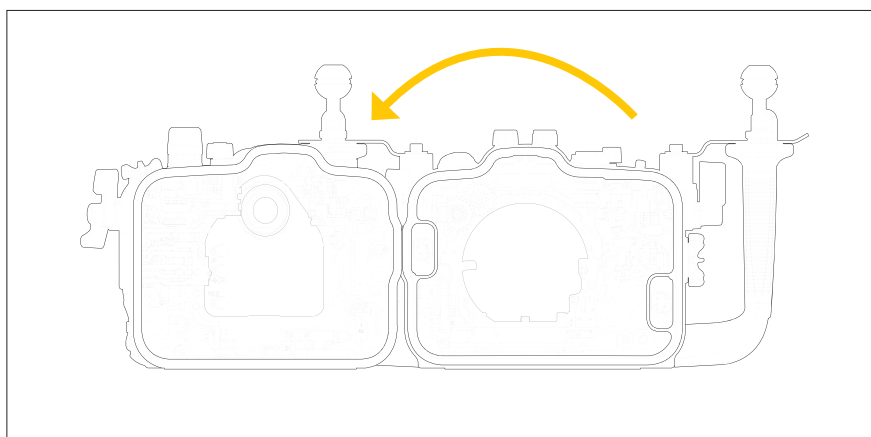
depress housing unlock button

2



turn housing lock outward

3



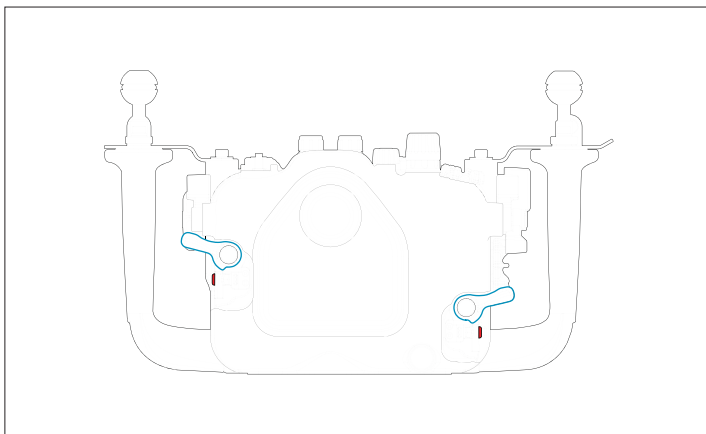
lift up the back housing

## CLOSING THE HOUSING

\* drawings as illustrations only

Housing Lock - Lock

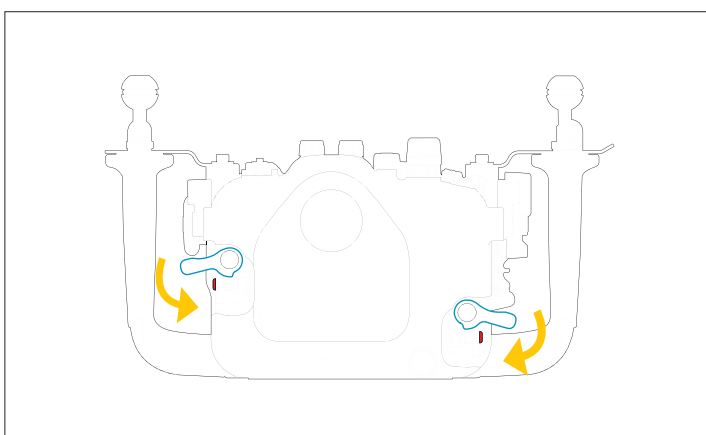
1



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

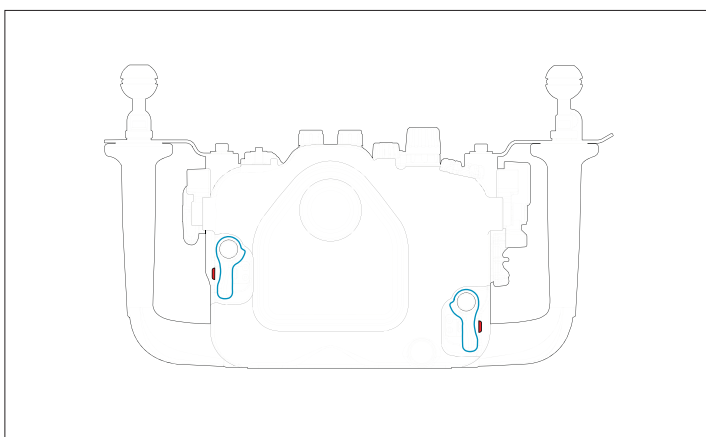
make sure nothing is caught between front and back housing and that they are fully aligned before locking

2



turn housing lock inward until you hear and feel it click into place

3



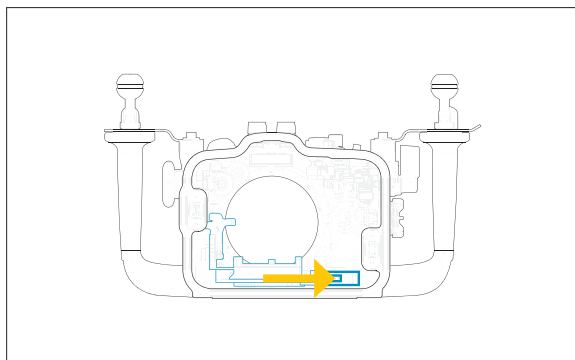
housing locked in place securely

# PREPARATION FOR USE

\* drawings as illustrations only

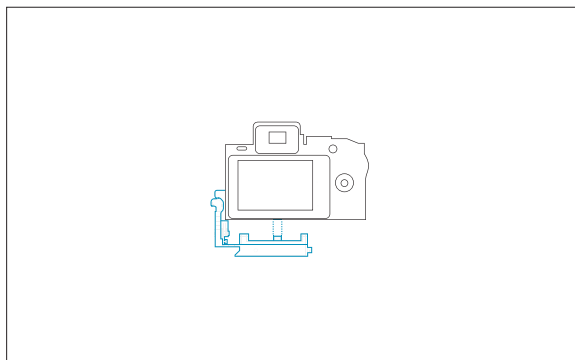
Installing the Camera - housing tray attachment

1



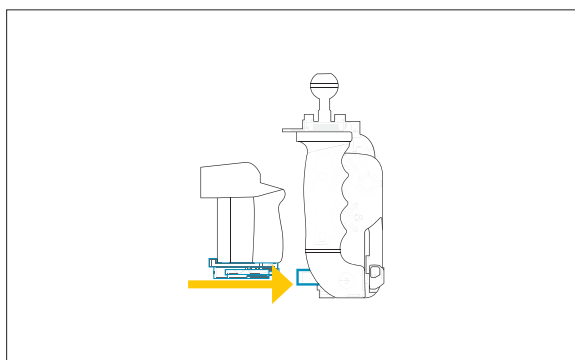
unlock camera tray lever and  
remove the tray from the housing

2



attach the camera tray by tightening  
the tray screw into the tripod socket  
of the camera

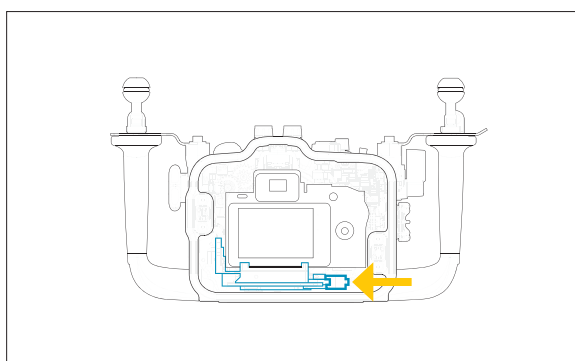
3



*\* lift up the Photo/movie lever each  
time before installing the camera,  
also pull out the zoom/focus knob if  
installing the camera with lens and  
gear attached  
\* please refer to page 10 for lens  
installment before sliding in the  
camera*

slide the camera tray back into the  
housing along the tray rail

4



lock camera tray

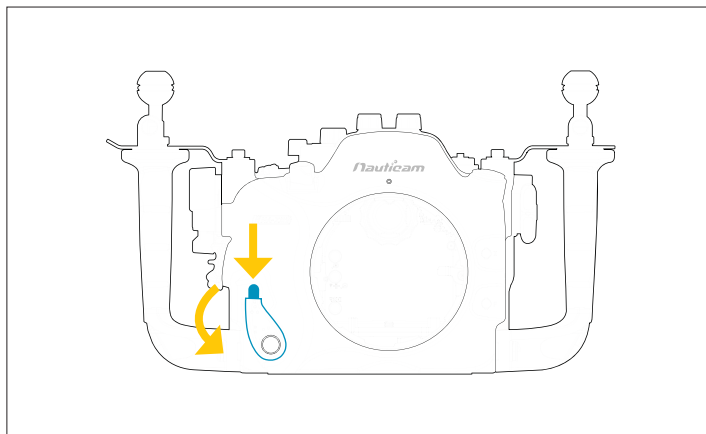
*\* gently push the Photo/movie  
lever downwards and make sure  
it is engaged with the lever on the  
camera, also place the zoom/focus  
knob in place and make sure it is  
engaged with lens gear*

# PREPARATION FOR USE

\* drawings as illustrations only

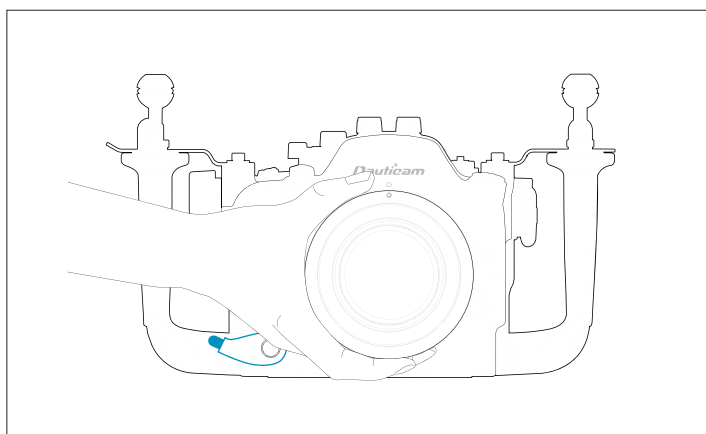
Port Mounting

1



depress safety button and rotate anti-clockwise

2

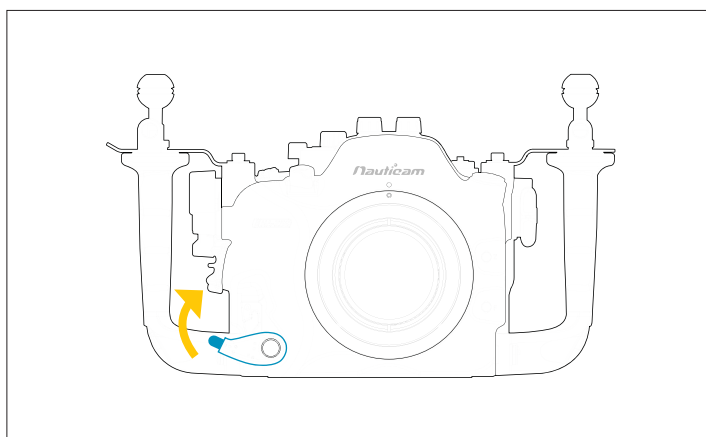


lubricant the port O-ring before mounting

align index mark

push port assembly straight in

3

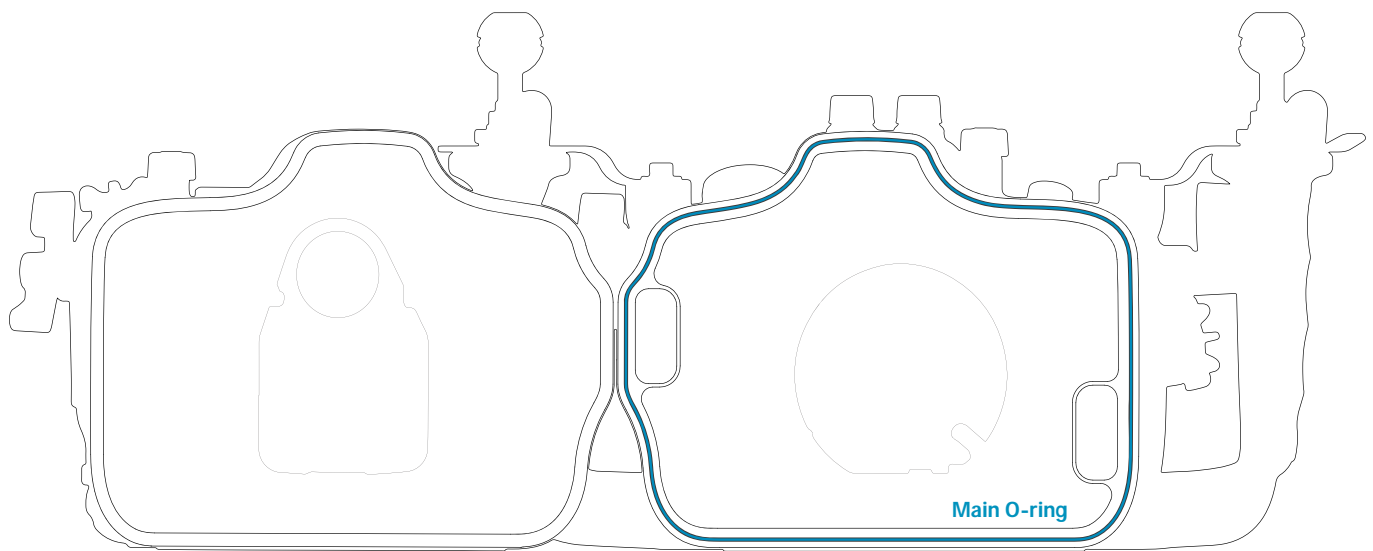


rotate locking lever clockwise to lock

## PREPARATION FOR USE

\* drawings as illustrations only

Coating housing O-ring

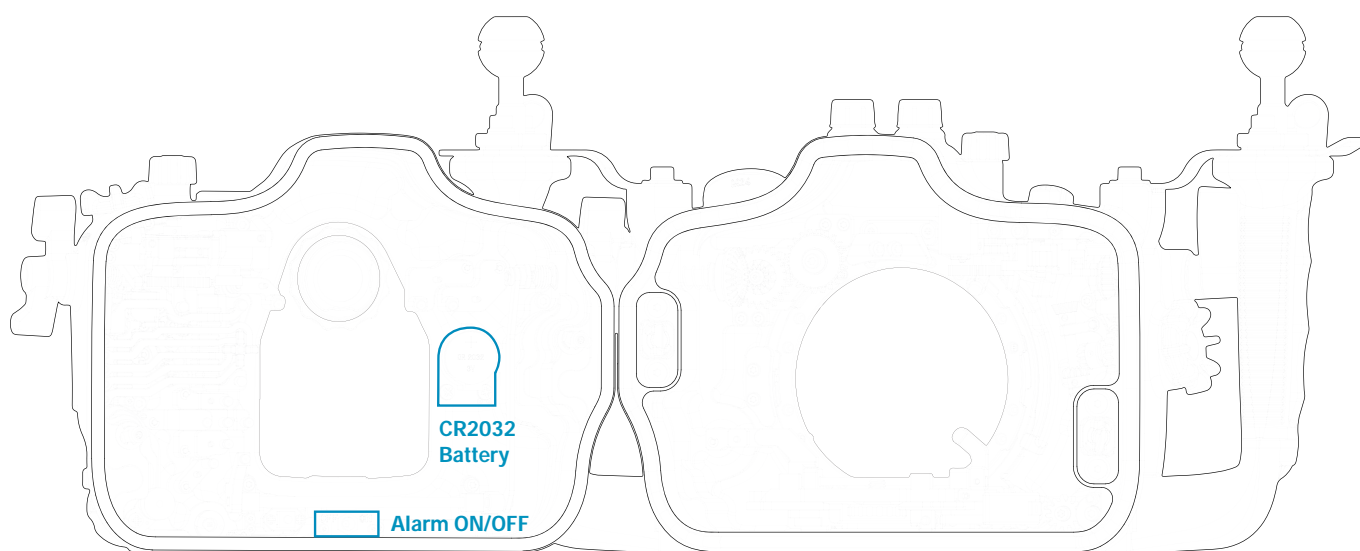


- 1  
remove the main O-ring using an O-ring remover
- 2  
clean the O-ring groove with a cloth and ensure that it is free from salt or other foreign materials
- 3  
lightly coat it with provided lubricant
- 4  
return the main O-ring by slowly pressing from one corner to the whole perimeter

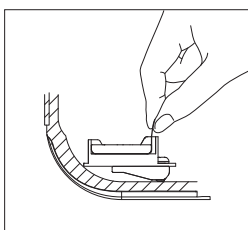
# PREPARATION FOR USE

\* drawings as illustrations only

Setting up moisture alarm

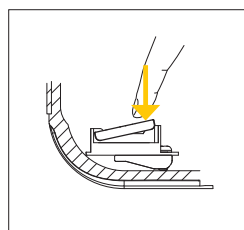


1



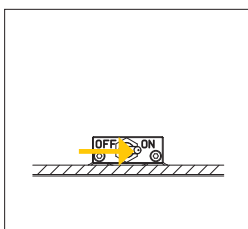
remove battery  
insulation film

2



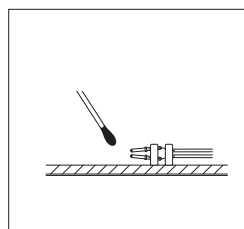
press the battery down until it  
click into place

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**

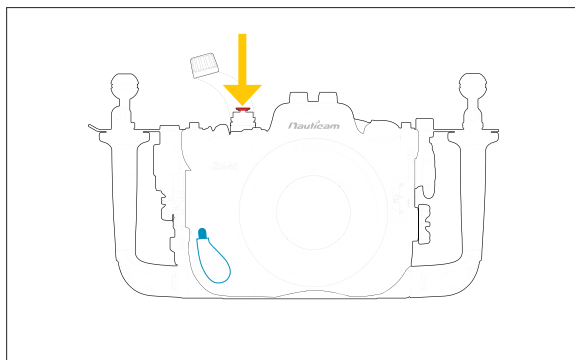


# PREPARATION FOR USE

\* drawings as illustrations only

Changing lens/port without opening the housing

1

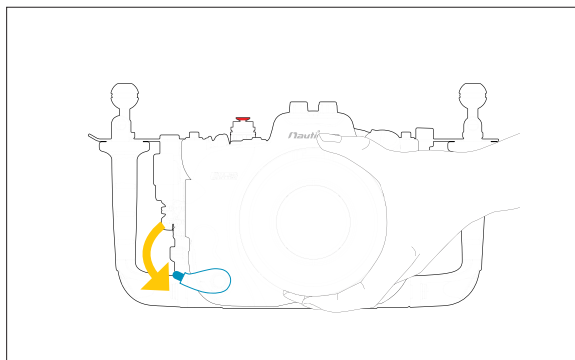


If using with vacuum valve :

remove the cap from the vacuum valve and press the red button to release pressure before unlocking port lock

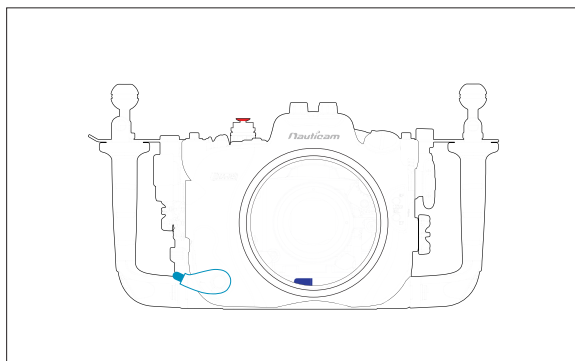
If using without vacuum valve, please follow from step 2

2



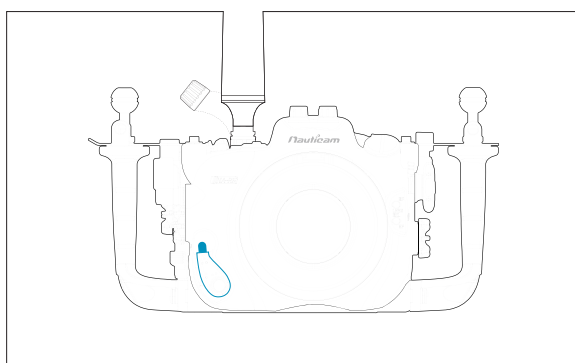
unlock port lock and remove port assembly

3



press the blue button to reset vacuum alarm before replacing port

4



reset vacuum valve system using hand pump then close the cap

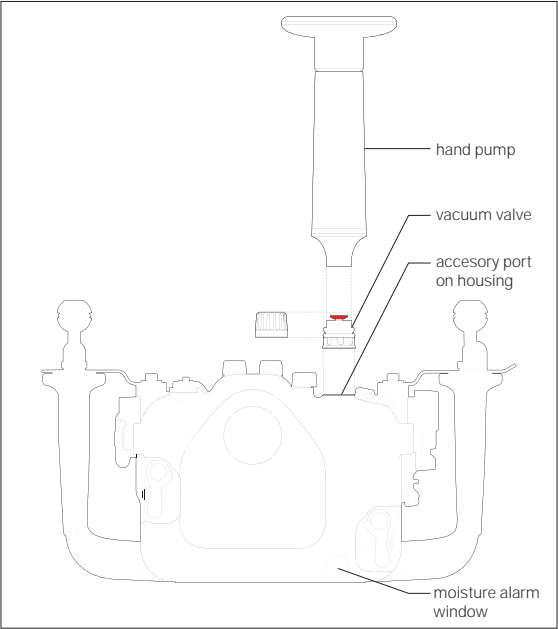
\* please refer to page 15 for complete vacuum system guidance

# RECOMMENDED ACCESSORY

\* drawings as illustrations only

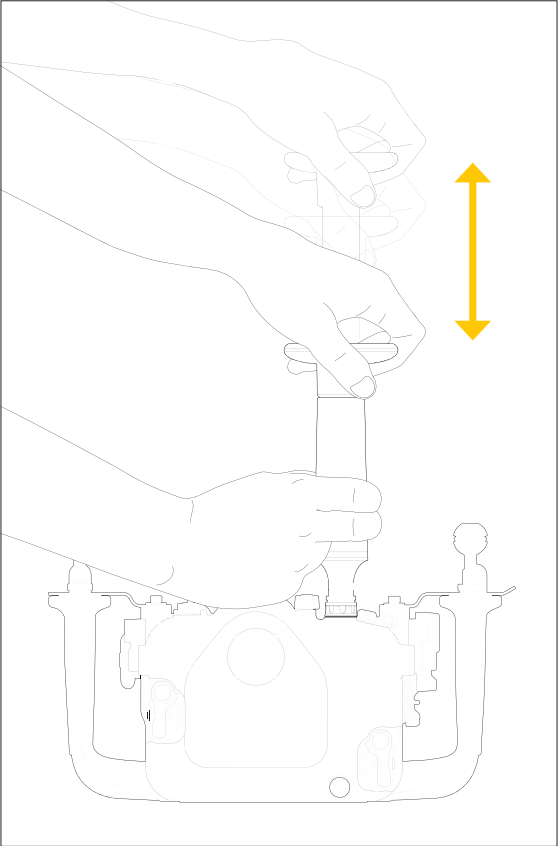
Vacuum valve system

1



- remove the plug of M16 accessory port from the housing
- remove the cap from the vacuum valve
- slightly lubricate the o-ring and tighten the vacuum valve to the housing with the tool provided

2



- connect hand pump to the valve and 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.*

## 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 camera 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

## Construction

Housing body	Hard Anodized Aluminium Alloy
Display window	Abrasion Resistant Polycarbonate

## Dimensions

Width	339 mm
Height	170 mm
Depth	125 mm

## Weight

In air	2.70 kg
In water	0.56 kg (w/ camera & battery)

## Depth

Rating	100 m
--------	-------

## Port specifications

Port mount	N 100 Port System
Port accessories	1 x M24, 1 x M14

## N100 to N120 Adaptor

37305 N100 to N120 35.5mm Port Adaptor II

## HDMI connectivity accessories ( 2.0 )

25086 M24 adaptor for HDMI 2.0 cable (incl. tightening tool)

25094 M24A3R210-M28A1R170 HDMI 2.0 Cable  
\*Support RAW 16bit 4.2K (4264 x 2408) up to 59.94p output

## Monitor options

17922 Nauticam Atomos Ninja V Housing for Atomos Ninja V 5" (excl. HDMI 2.0 cable)

## HDMI connectivity accessories ( 1.4 )

25033 Standard HDMI bulkhead with M16 thread

25081 M24-M16 Step Down Adaptor

25095 HDMI (D-A) cable in 220mm length  
(for connection from HDMI bulkhead to camera)

## Monitor options

17906 NA-502H housing for Small HD 502 5-inch HD monitor

17920 NA-502B-H Housing for SmallHD 502 Bright Monitor

## Recommended accessories

25624 M14 Vacuum Valve II (pushbutton release)

32201 180° straight viewfinder

32203 45° viewfinder

26302 Mini Flash Trigger for Sony

25218 Mounting Ball Set for Tripod

## Wet Lens Compatibility

Macro	81201	Super macro convertor 1 (SMC-1, 2.3x magnification)
	81202	Super macro convertor 2 (SMC-2, 4.0x magnification)
Macro to Wideangle	86201	Macro to Wideangle Lens 1 (MWL-1, 150 deg. FOV with full frame 60mm macro lens)
	87303	EMWL Set#3 (incl. focusing unit #3, 150mm relay lens & 3 objective lenses)
Wideangle	85201	0.36x Wide Angle Conversion Port with Aluminium Float Collar (incl. N120 to N100 port adaptor)
	85204	0.57x Wide Angle Conversion Port 2 with Aluminium Float Collar (compatible with 14mm lenses)

## Optional accessories to use with wet lens

86222 Double Flip Holder for MWL-1

87501 Flip Holder for EMWL

87516 EMWL Bayonet Holder for Ø70 Float Arm

87517 EMWL Bayonet Holder for Ø90 Float Arm

87518 Strobe Mounting Brackets for EMWL Relay Lens

**Nauticam Internationl Ltd.**

Rm 2203, CCT Telecom Bldg,  
11 Wo Shing St,  
Fo Tan,  
Hong Kong

Tel. +852 - 26902711  
Fax. +852 - 26909778  
URL. [www.nauticam.com](http://www.nauticam.com)  
Gallery. [www.nauticam.smugmug.com](http://www.nauticam.smugmug.com)