NA - FX3

For Sony FX3 Full-Frame Cinema Camera

PN 17431

**User Manual**
Housing
Digital Cinema

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.
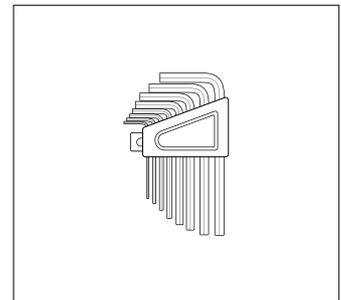
PACKAGE CONTENTS

Make sure that you have all the included items listed below before using this product.
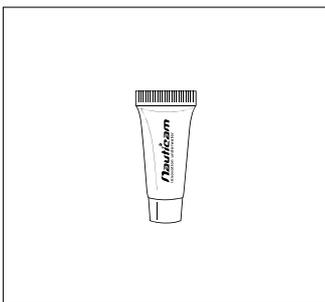If some items are missing or damaged, contact your local Nauticam dealer.
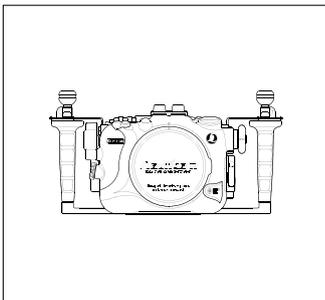
NA-FX3
(2 x Handles with Mounting Balls, 1 x Housing Cap,
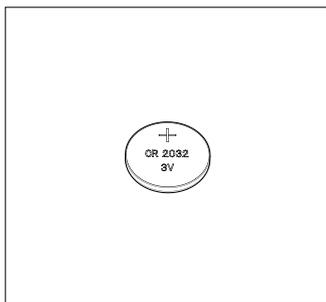2 x Optical Fiber Mount Caps, 2 x Stainless Steel Handle Brackets)
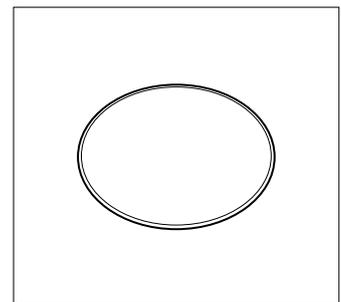

Padded Travel Case

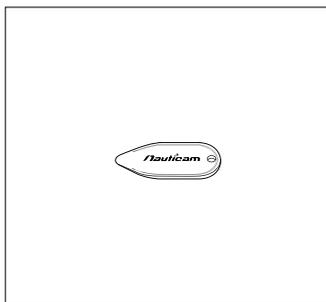
Allen key set

Lubricant

Panasonic CR2032 Battery

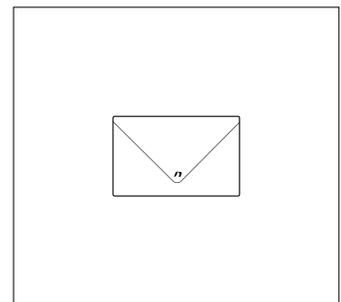(pre-installed for Moisture Alarm)

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 accesories 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.
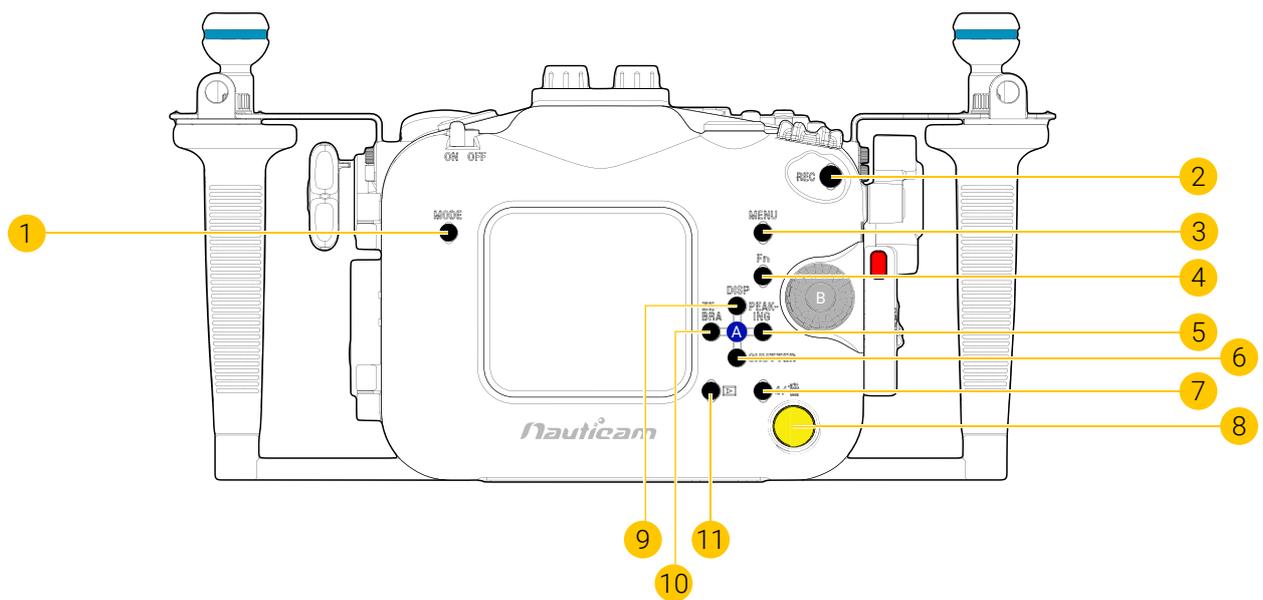
⚠ 12

This product is not intened 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.
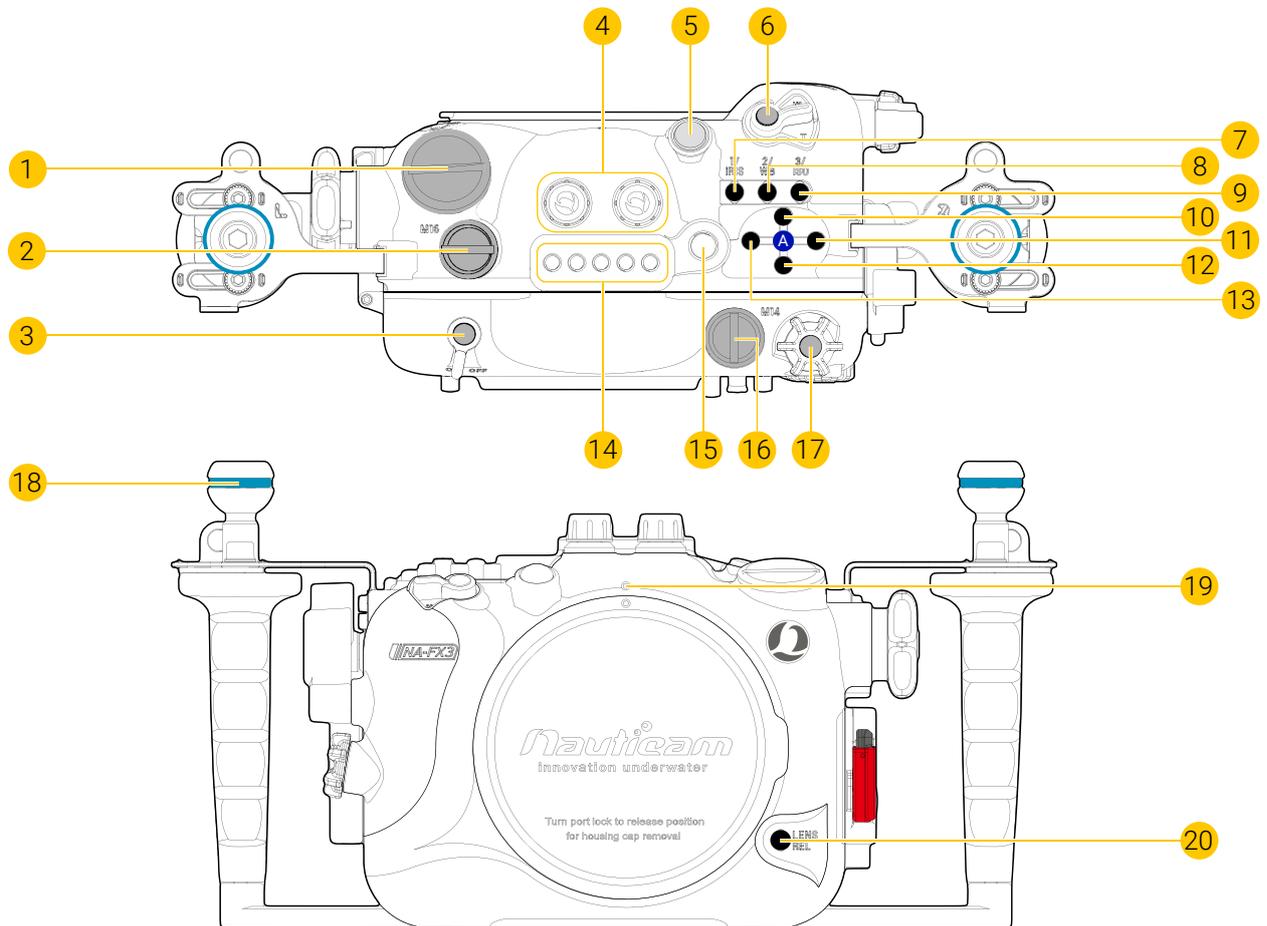
PART NAMES AND FUNCTIONS

|			
1	Mode button	2	REC button
3	Menu button	4	Fn button
5	PEAKING button	6	Shutter button
7	Custom 4 button / Delete button	8	Moisture alarm window
9	Display setting button	10	ZEBRA button
11	Playback button	A	Control wheel - center
B	Control wheel		

PART NAMES AND FUNCTIONS

|					
1	M24 Accessory port	2	M16 Accessory port	3	Main Switch
4	Optical fiber cable connection	5	AF illuminator	6	W/T lever
7	IRIS button / Custom 1 button	8	WB button / Custom 2 button	9	ISO button / Custom 3 button
10	Multi-selector - Up	11	Multi-selector - Right	12	Multi-selector - Down
13	Multi-selector - Left	14	1/4" -20 mounting threads	15	M10 Accessory port
16	M14 Accessory port	17	Rear dial	18	Accessory mounting ball
19	Port index mark	20	Lens release button	A	Multi-selector - Center

PART NAMES AND FUNCTIONS
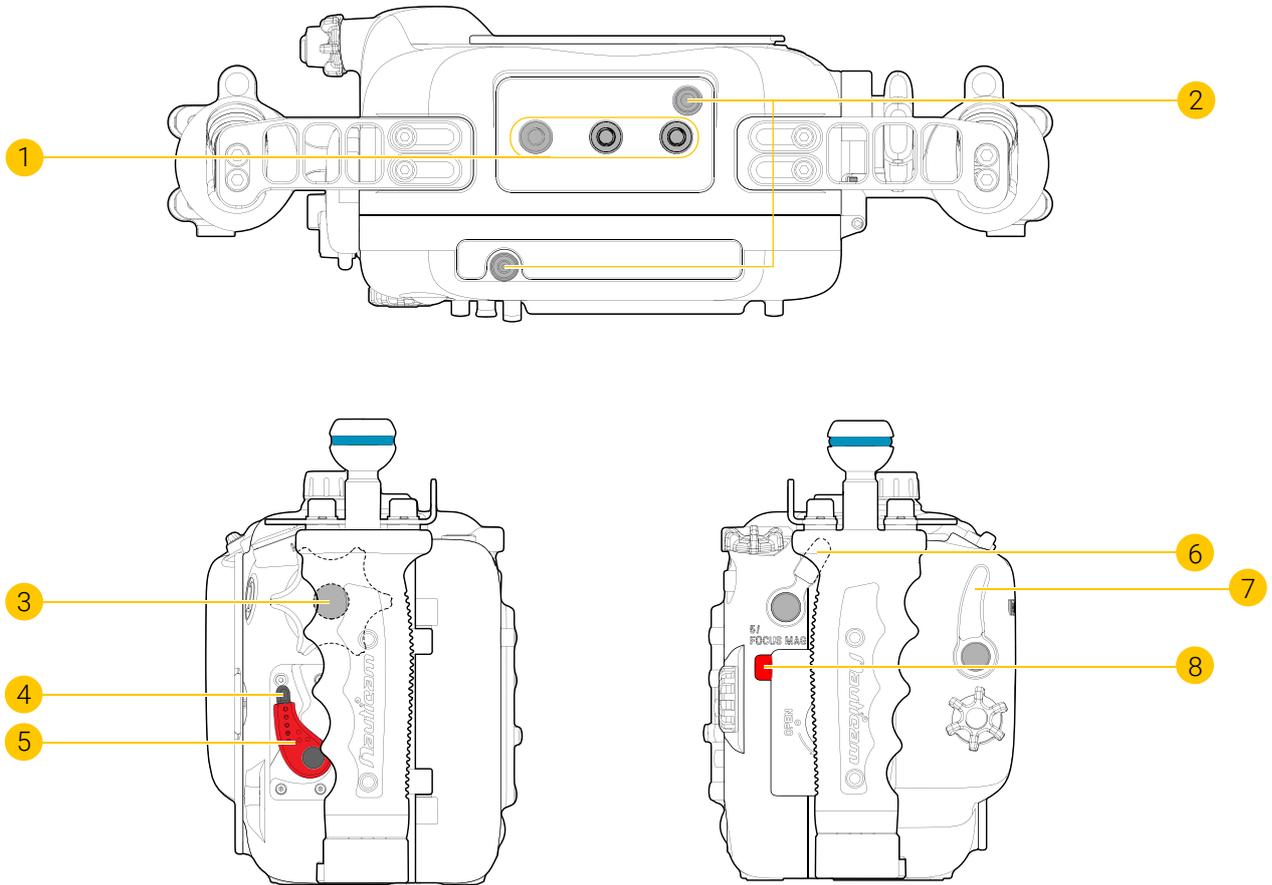
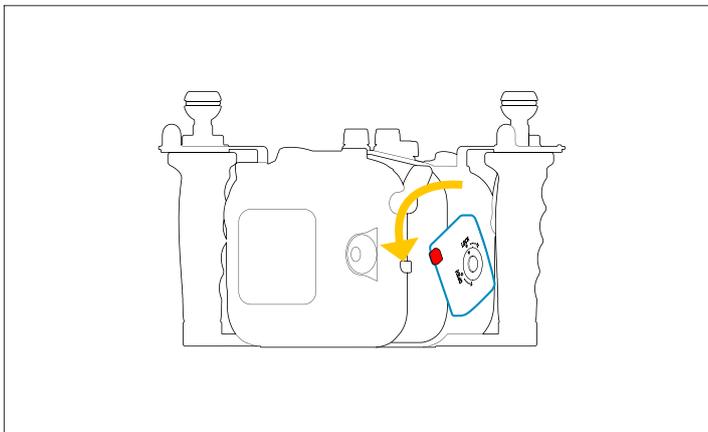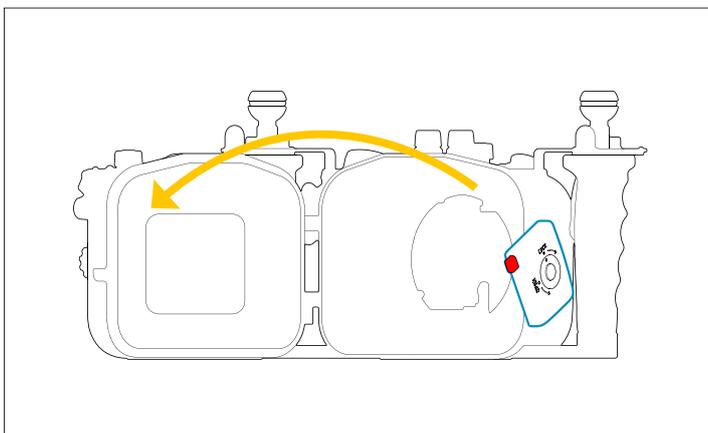|			
1	1/4" Threaded tripod holes	2	Sacrificial zinc anodes
3	Zoom/Focus dial	4	Port lock safety button
5	Port locking lever	6	Custom 5 button / FOCUS MAG button
7	Shutter release lever	8	Housing unlock button

OPENING THE HOUSING

1
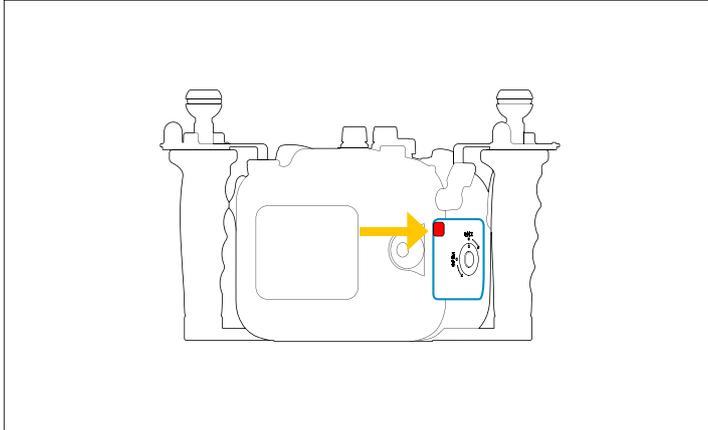
depress housing unlock button

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

1
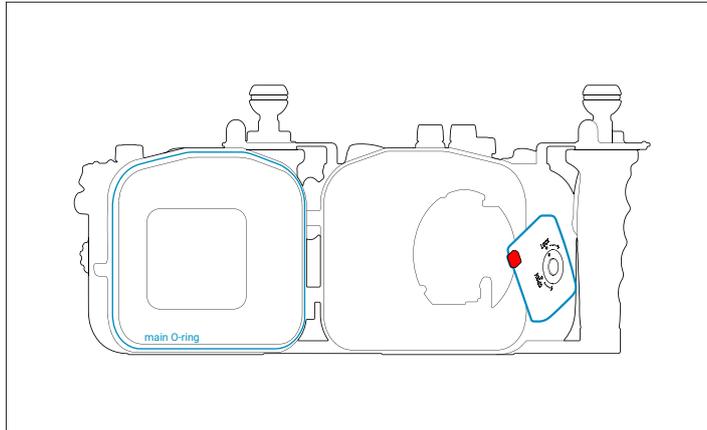
before closing the housing, clean and lubricate the main O-ring

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

2
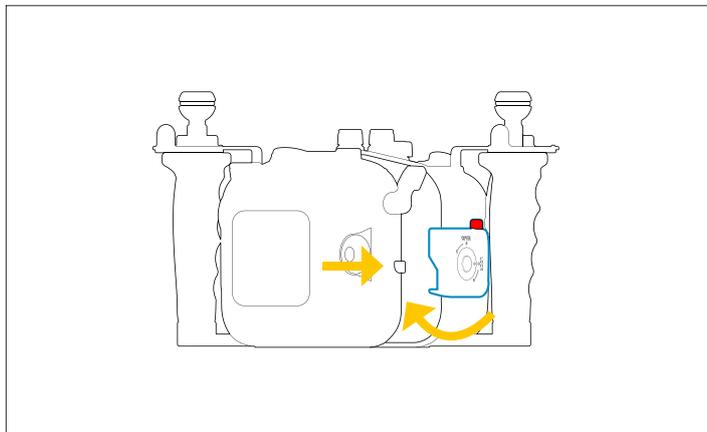
insert the housing shaft into the shaft hole and then rotate the lock latch clockwise until you hear and feel it click into place

3
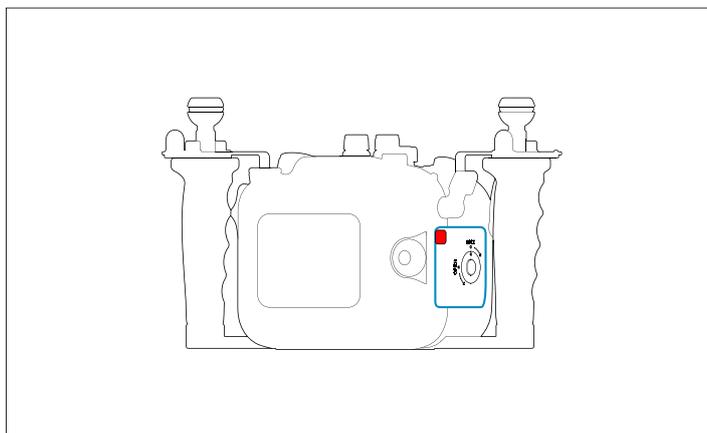
housing locked in place securely

PREPARATION FOR USE

1
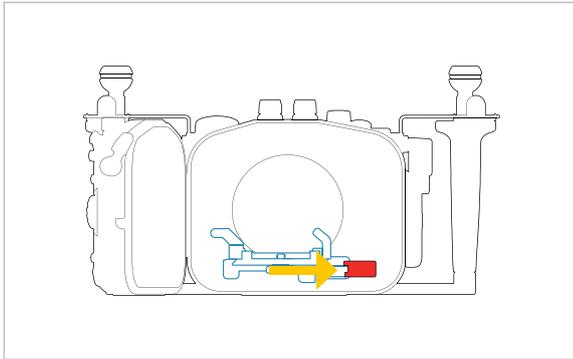
unlock camera tray lever and
remove the tray from the housing

2
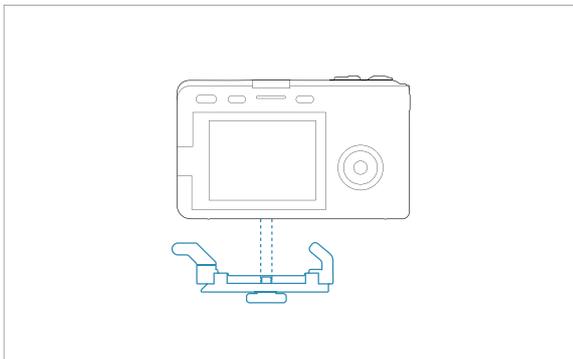
attach the camera tray by tightening
the tray screw into the tripod socket
of the camera

3
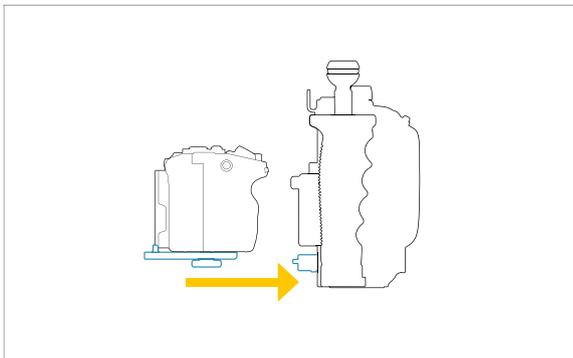
slide the camera tray back into the
housing along the tray rail

4
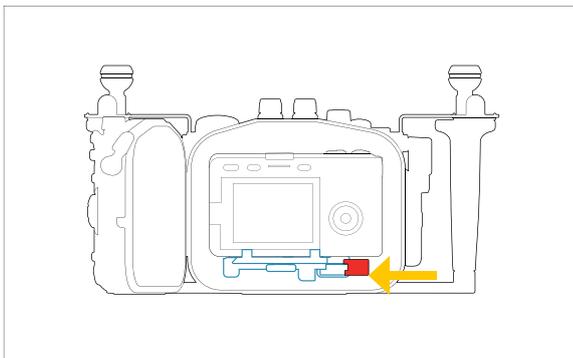
lock camera tray

PREPARATION FOR USE

1
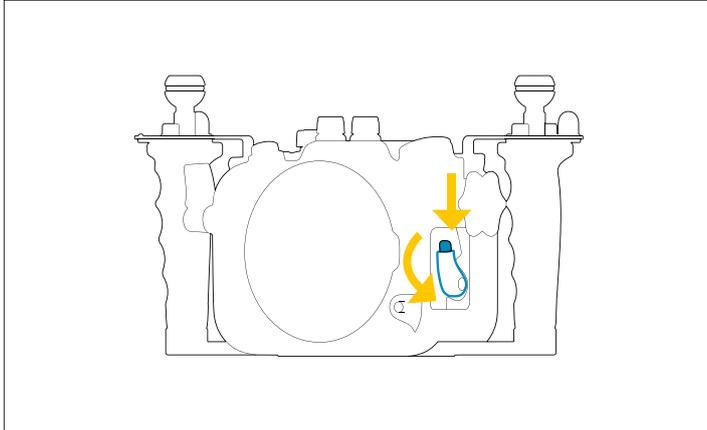
depress port lock safety button and rotate anti-clockwise

2
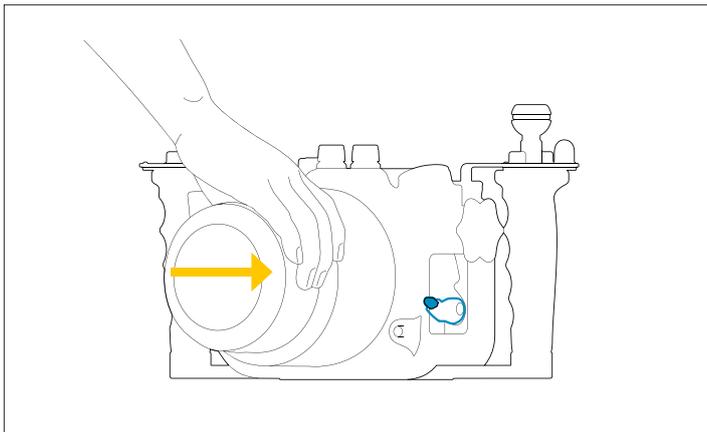
lubricant the port O-ring before mounting

align index mark

push port assembly straight in

3
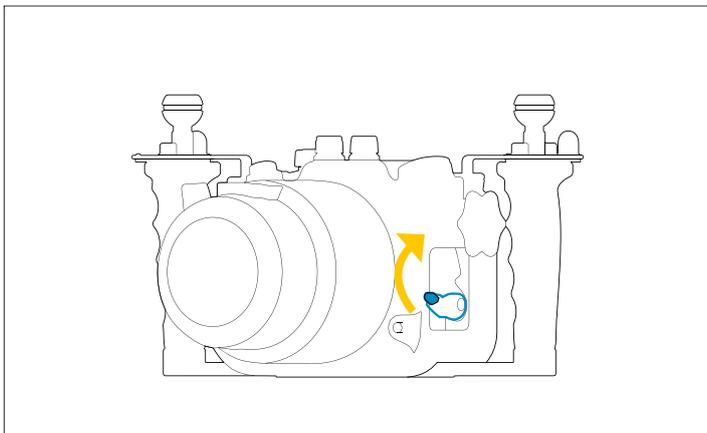
rotate locking lever clockwise to lock

PREPARATION FOR USE
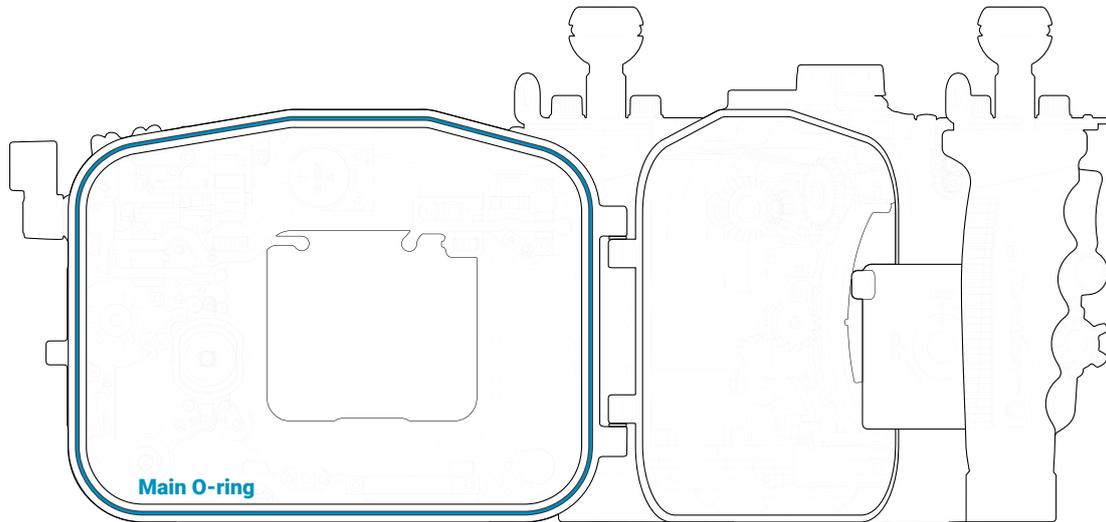
Main O-ring

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

CR2032 Battery

Alarm ON/OFF
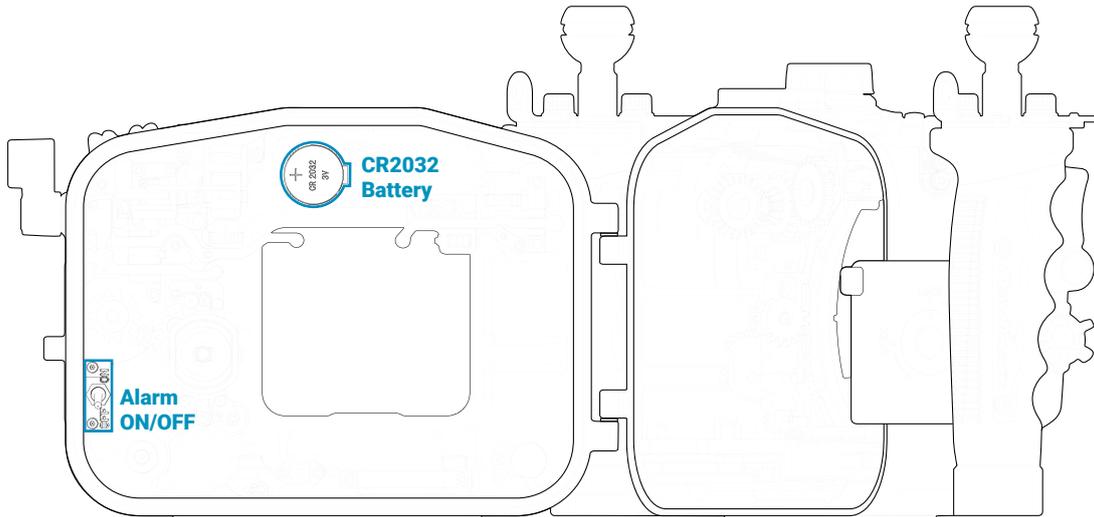
1
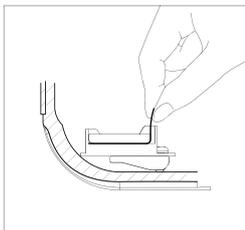
remove battery insulation film

2
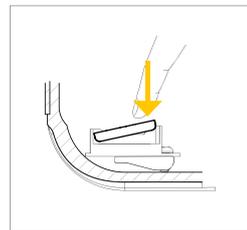
press the battery down until it click into place

3
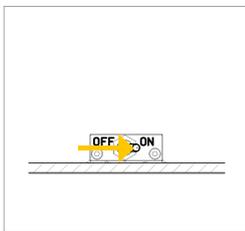
switch on the alarm
- the moisture alarm window will flash in BLUE when it is working correctly

4
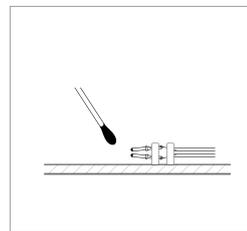
test the alarm
- connect the wires with a dampened cotton bud; the alarm will give a repeating 'beep' and the mositure alarm window will flash RED

please contact our authorized service centers if testing fails
please refer to page 15 for complete vacuum system guidance

RECOMMENDED ACCESSORY

1

hand pump

vacuum valve

accesory port
on housing

moisture alarm
window
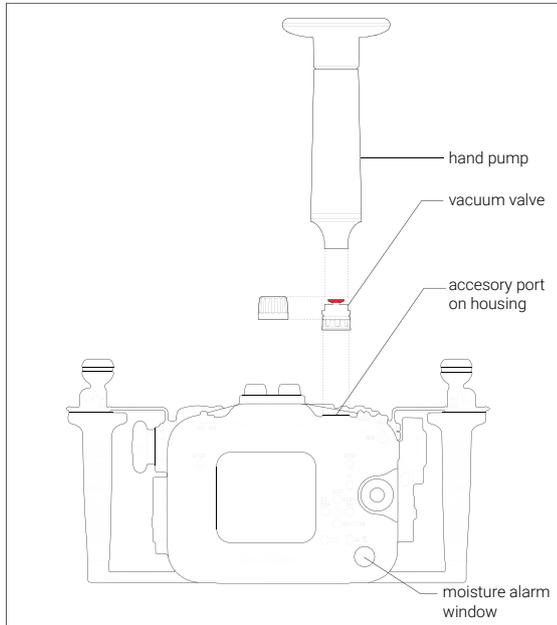
remove the plug of M14 accessory
port from the housing

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
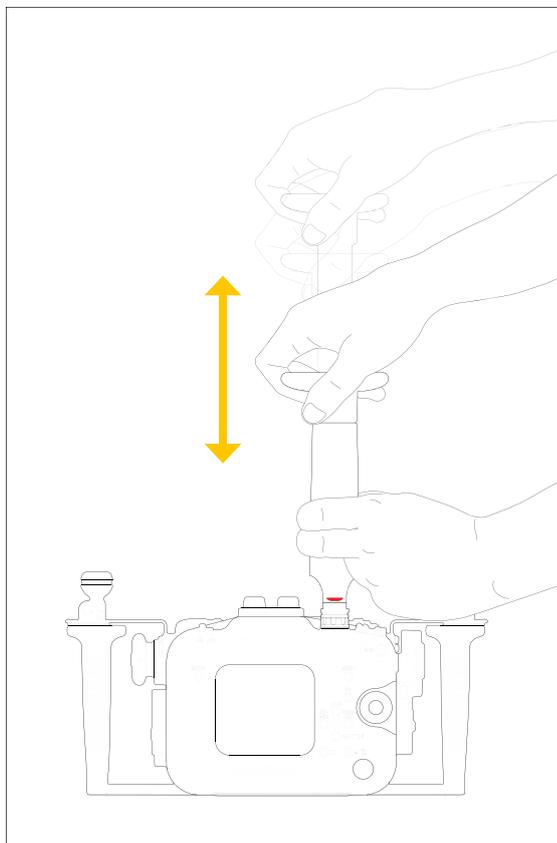
connect hand pump to the valve
and pump several times until it
reaches the target vacuum level

close vacuum valve cap

Moisture alarm window colour indication :

Steady Blue	🔵	device is turned on
Flashing Blue	🔆	standby mode, ready for pumpng
Steady Green	🟢	target vacuum level is reached
Flashing Yellow	🔆	vacuum level is dropping
Flashing Red	🔆	vacuum is totally lost, circuit stalled untill device is switched off
Alternating Blue and Red	🔆🔆	vacuum is totally lost, circuit stalled untill 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 and please
check every O-ring and conduct the
vacuum test again.*

13

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 recommand 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 trans-portation. Do not travel with camera inside housing.

5

We recommand to ship the housing to our servic centers for a complete overhual 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	320 mm
Height	170 mm
Depth	115 mm

Weight

In air	1.97 kg
In water	0.33 kg (w/ camera & battery)

Depth

Rating	100 m

Port specifications

Port mount	N 100 Port System
Port accessories	1 x M24, 1 x M16, 1 x M14

HDMI connectivity required accessories (2.0)

25086 M24 adaptor for HDMI 2.0 cable
25703 M24A2R225-M28A1R170 HDMI 2.0 Cable

Monitor options

17922/S Nauticam Atomos Ninja V/V-S 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
25100 HDMI (D-A) cable in 200mm length (for connection from HDMI bulkhead to camera)

Monitor options

17920 NA-502B-H housing for Small HD 502 5-inch Bright monitor
17923 NA-Shinobi-H Housing for Atomos Shinobi 5.2" 4K HDMI Monitor

Recommended accessories

25624 M14 Vacuum Valve II (pushbutton release)
32204 Nauticam 180˚ straight viewfinder for MIL housings
32205 Nauticam 45˚ viewfinder for MIL housings
26302 Mini Flash Trigger for Sony
25221 M10 Strobe Mounting Ball
17959 Housing Mounting Ball with 1/4" Screws
26216 Universal Optical Fiber Cable
36316 Hand strap for Mirrorless IL camera & Compact Camera Housing
25056 M14 Nikonos 5-pin Bulkhead with Universal Hotshoe Connection
37202 Nikonos Adaptor

Wet Lens Compatibility

Macro	81201	Super Macro Convertor 1 (SMC-1, 2.3x magnification)
	81202	Super Macro Convertor 2 (SMC-1, 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	83201	Wet Wide Lens 1(WWL-1, 130 deg. FOV with 14mm lenses)
	83202	Wet Wide Lens 1B (WWL-1B, integrated float collar)
	83203	Wet Wide Lens Compact (WWL-C , 130 deg. FOV with 24mm lenses)
	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

83214 Bayonet Mount Adaptor for SMC/CMC
83250 M67 to Bayonet Converter II
83251 M77 to Bayonet Converter II
87501 Flip Holder for EMWL
87515 M67 Mount to EMWL Focusing Unit
87518 Strobe Mounting Brackets for EMWL Relay Lens
86222 Double Flip Holder for MWL-1
25101 M67 Flip Diopter Holder for M67 Macro Ports
25108 M67 Double Flip Diopter Holder for M67 Macro Ports

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