July, 2026

NA - A7RVI

For Sony A7RVI Camera

PN 17440

User Manual

Housing

FF- MIL

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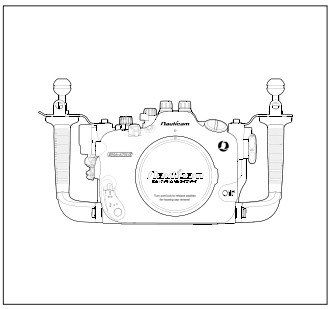
INTRODUCTION

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.

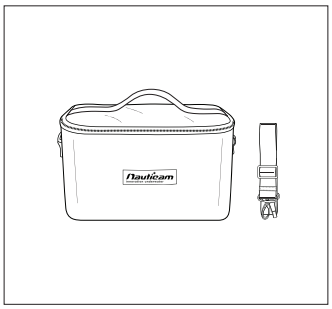
PACKAGE CONTENTS

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.

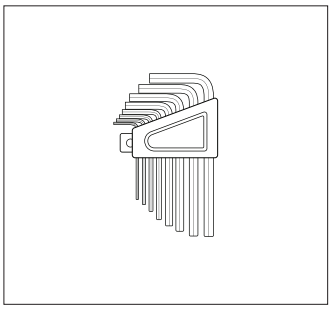


NA-A7RVI

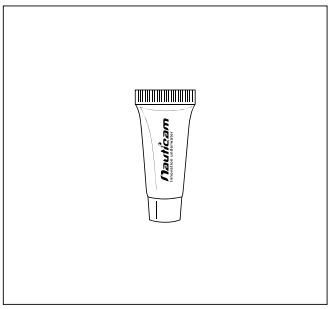
(2 x Handles with Mounting Balls, 1 x Housing Cap,
2 x Optical Fiber Mount Caps, 2 x Stainless Steel Handle Brackets)



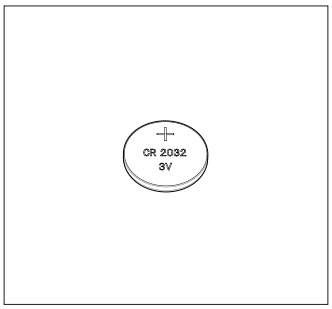
Padded Travel Case



Allen key set

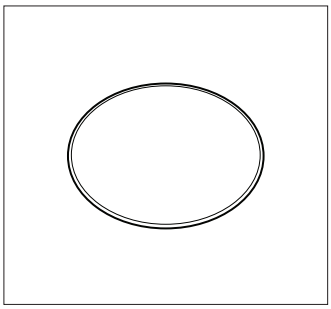


Lubricant



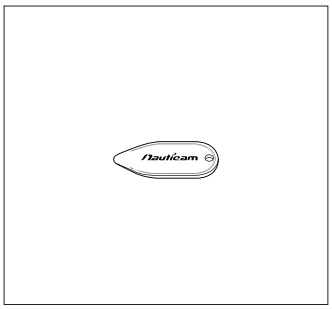
Panasonic CR2032 Battery

(pre-installed for Moisture Alarm)



Spare Main O-ring
90120

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



O-ring Remover

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

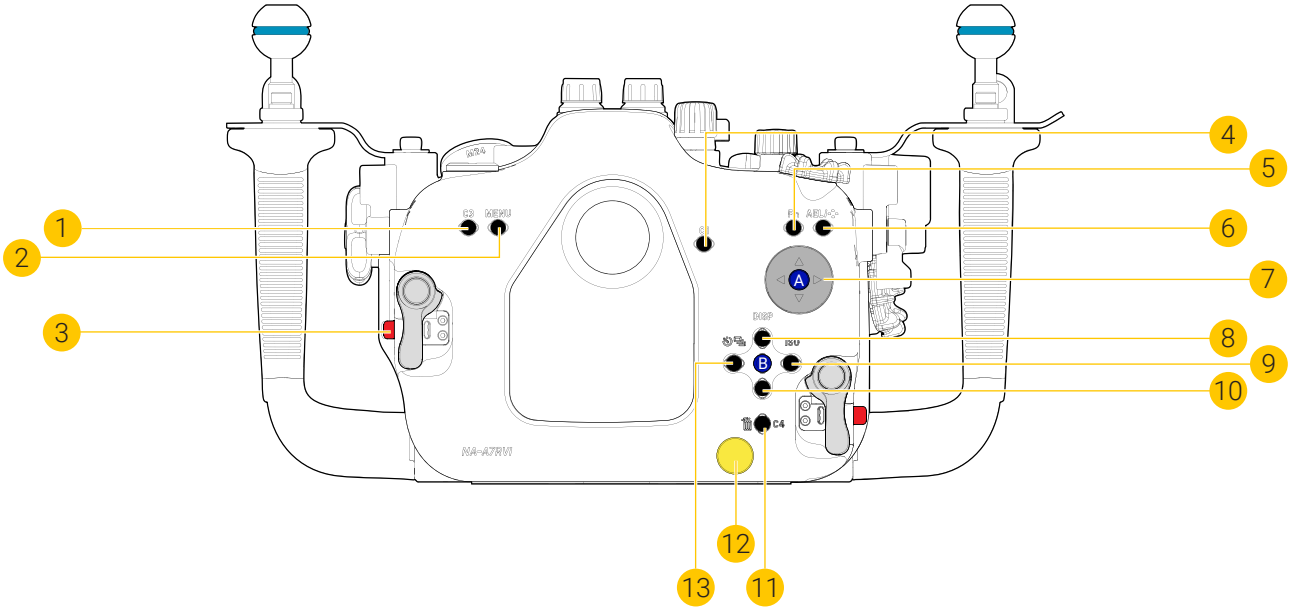
Prevent any sand or dust or water penetration inside the housing. Be extra careful when changing lens and inserting or removing the camera.

⚠ 12

This product is not 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

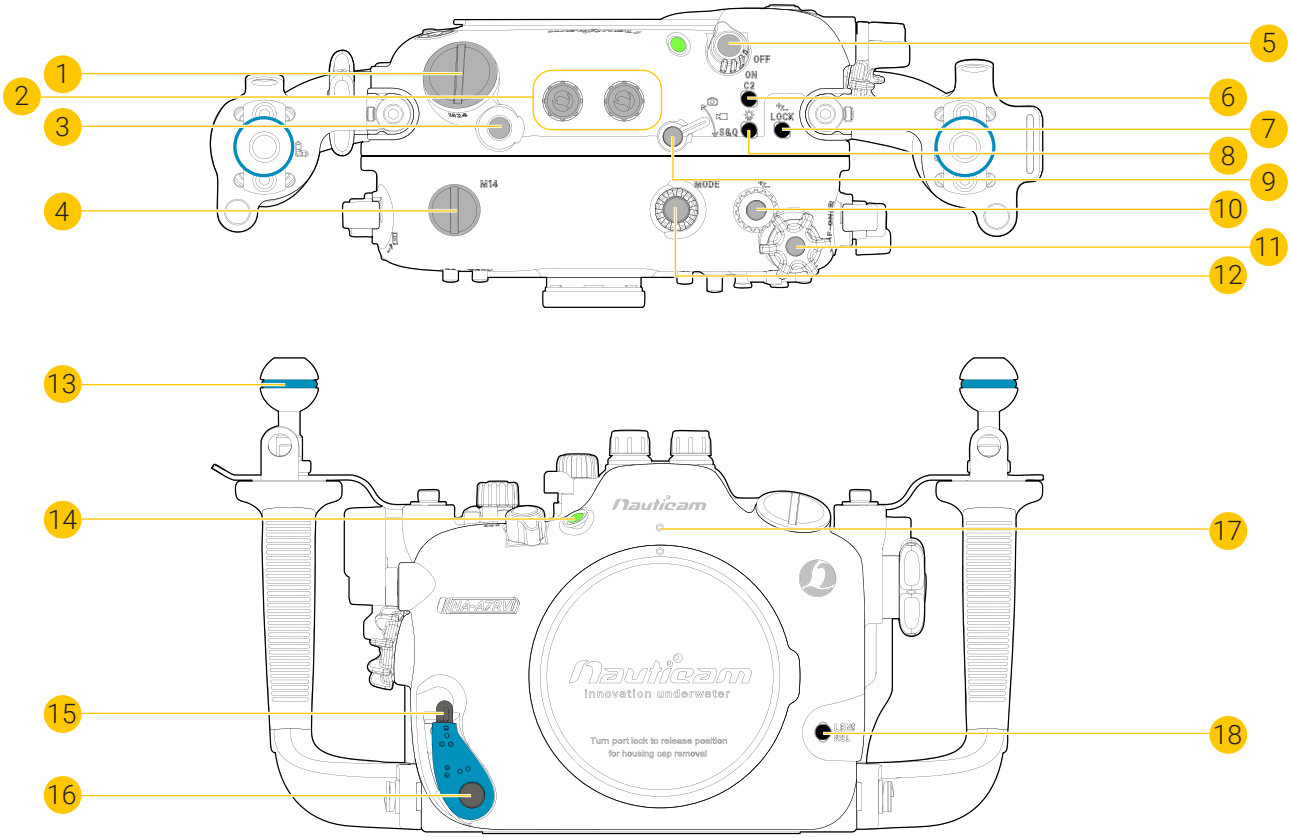
Rear View



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

PART NAMES AND FUNCTIONS

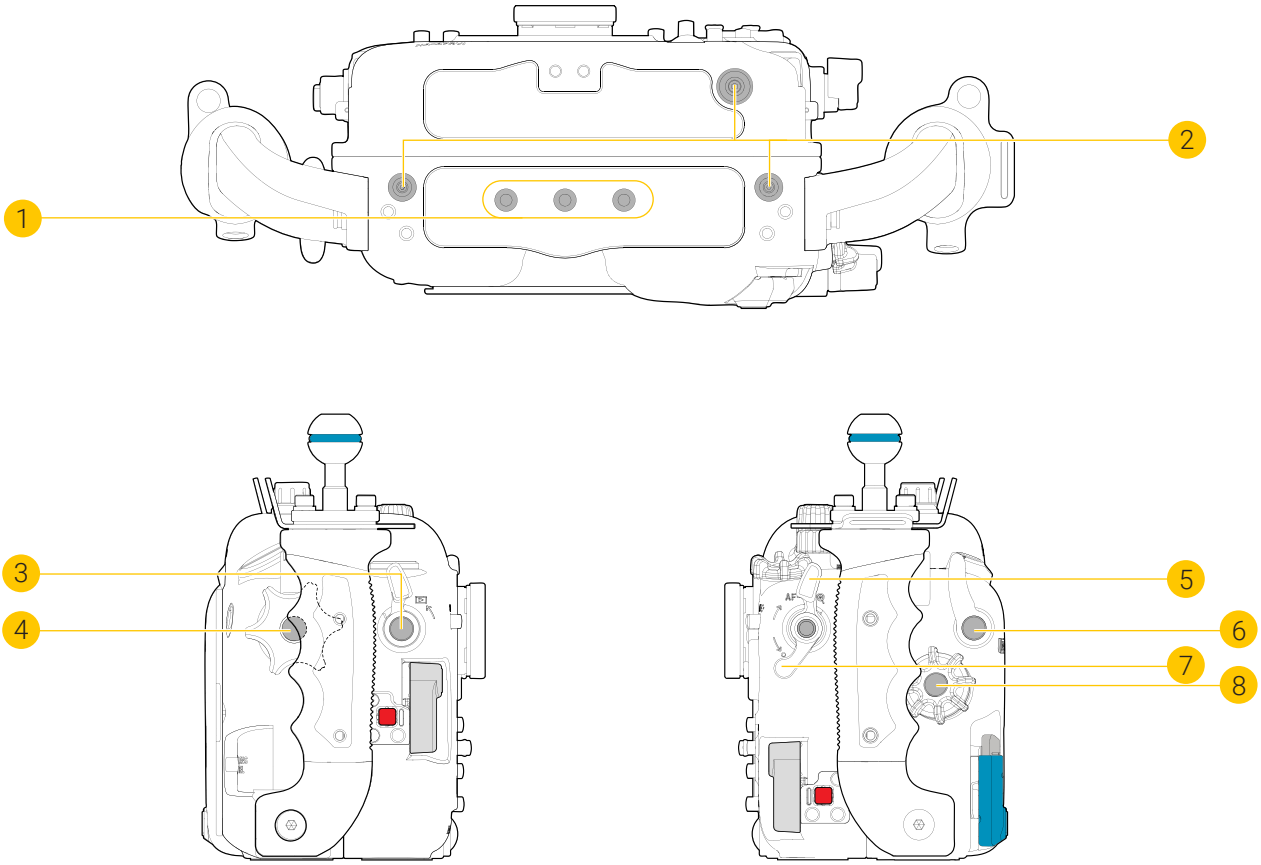
Top + Front Views



1. M24 Accessory port
2. Optical fiber cable connection
3. M10 Accessory port
4. M14 Accessory port
5. Main switch
6. C2 button
7. Exposure compensation lock
8. Illumination button
9. Still/movie/S&Q lever
10. Exposure compensation dial
11. Rear dial
12. Mode dial
13. Accessory mounting ball
14. Port lock safety indicator window
    - *The port is securely locked when the window shows green*
15. Port lock safety button
16. Port locking lever
17. Port index mark
18. Lens release button

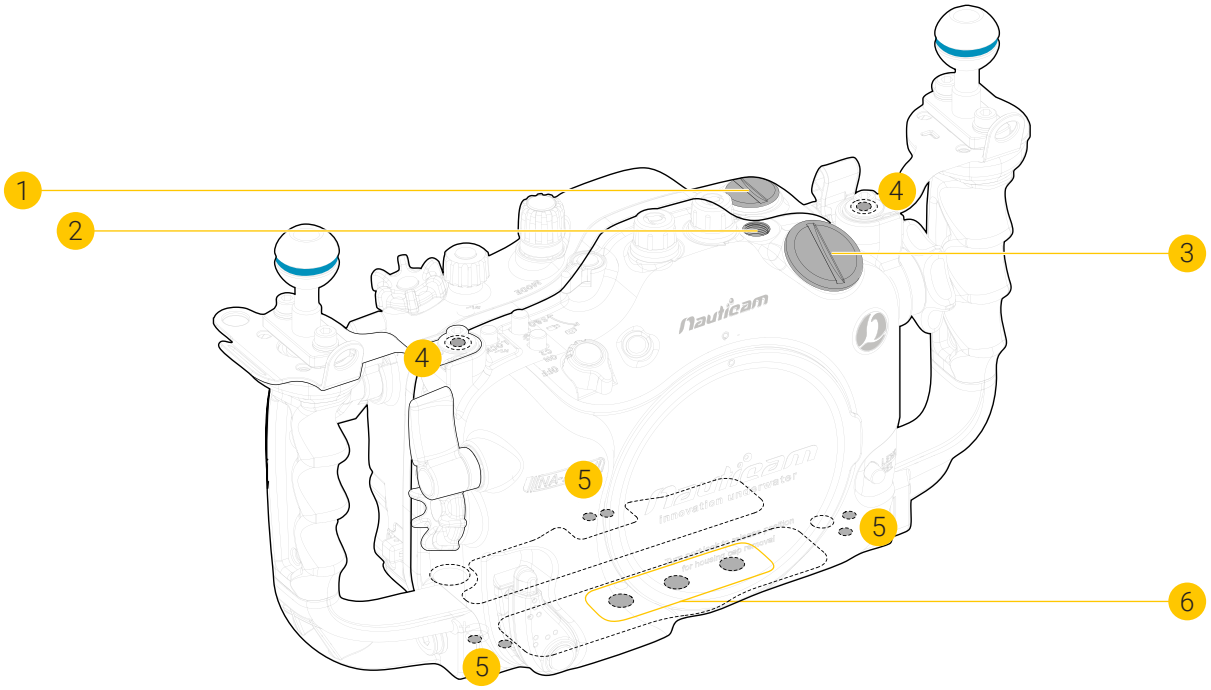
PART NAMES AND FUNCTIONS

Back + Side Views



1	1/4” Threaded tripod holes	2	Sacrificial zinc anodes
3	Playback lever	4	Zoom/Focus dial
5	AF-ON/Enlarge lever	6	Shutter release lever
7	REC button	8	Front dial

HOUSING MOUNT

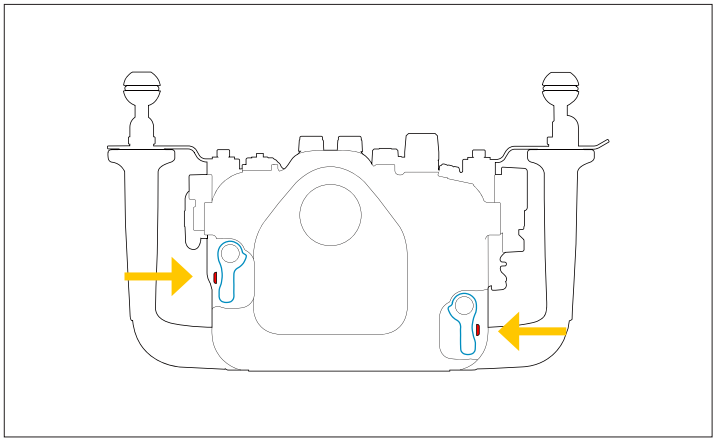


Housing mount		Compatible accessories		
1	M14 Accessory port	25624	M14 Vacuum valve II (pushbutton release)	
2	M10 Accessory port	25221	M10 Strobe mounting ball	
3	M24 Accessory port	26326	M24-M16 Adaptor for use with 26325	*Electrical triggering*
		25056	M14 Nikonos 5-pin bulkhead	
		25086	M24 Adaptor for HDMI 2.0 cable	*HDMI 2.0*
		25099	M24A2R200-M28A1R170 HDMI 2.0 Cable	
		25033	Standard HDMI bulkhead with M16 thread	*HDMI 1.4*
		25100	HDMI (D-A) 1.4 Cable in 200mm length	
4	M5 Accessory ports	25228	M5 Strobe mounting ball	
5	M5 Threaded holes	25218	Mounting ball set for tripod legs	
6	1/4” -20 mounting threads	17954	Universal tripod plate	
		17960	Universal Quadra-Pod Plate for Nauticam Housings	

OPENING THE HOUSING

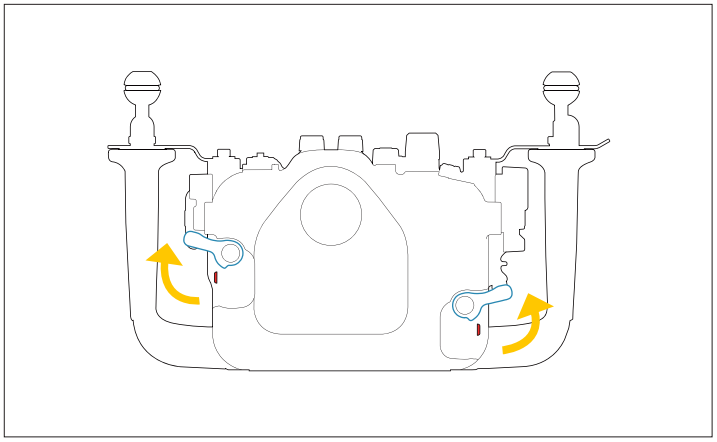
* drawings as illustrations only

1



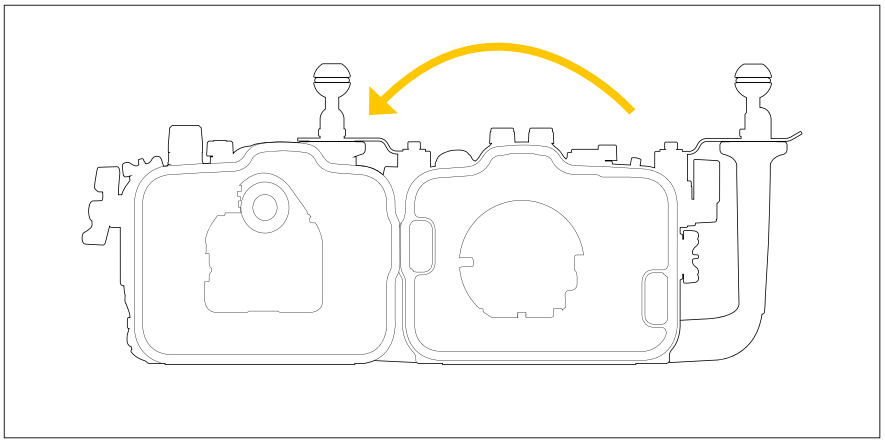
depress housing unlock button

2



turn housing lock outward

3

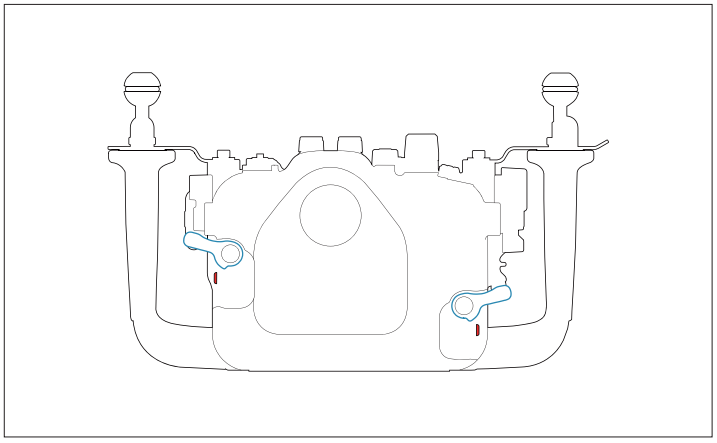


lift up the back housing

CLOSING THE HOUSING

* drawings as illustrations only

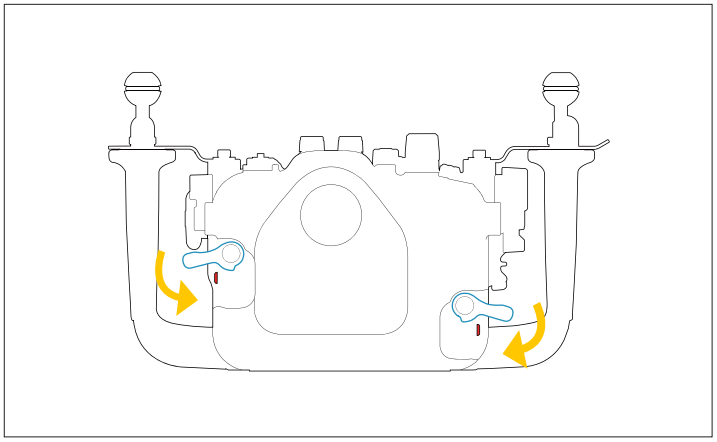
1



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

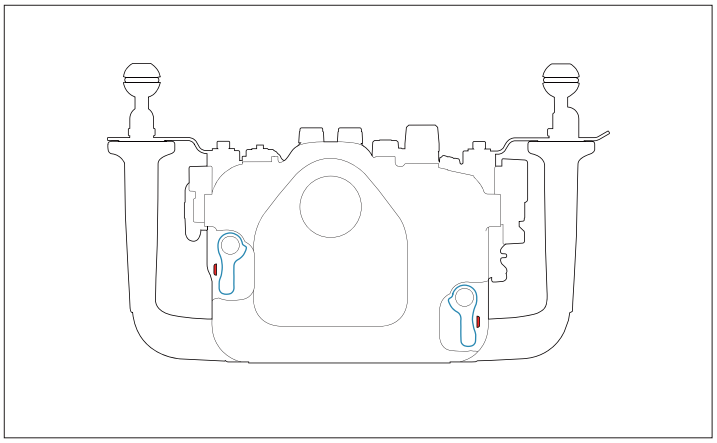
make sure nothing is caught between front and back housing and that they are fully aligned before locking

2



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

3



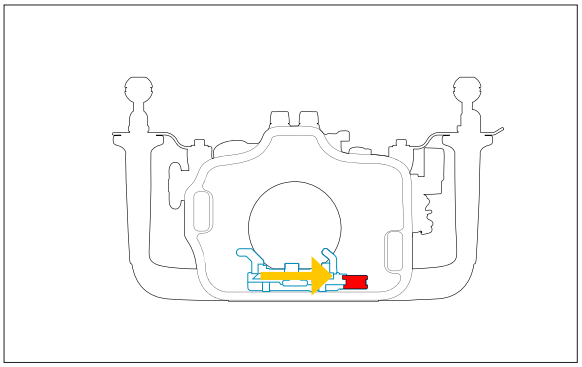
housing locked in place securely

PREPARATION FOR USE

* drawings as illustrations only

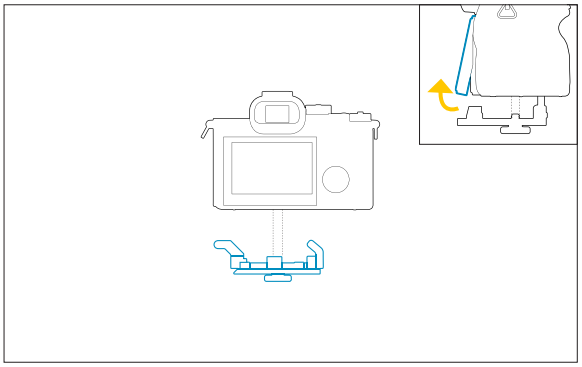
Installing the Camera - housing tray attachment

1



unlock camera tray lever and remove the tray from the housing

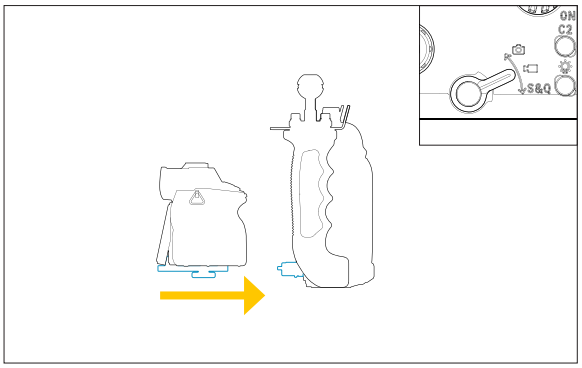
2



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

** tilt the flip screen as shown before screwing the camera into the camera tray*

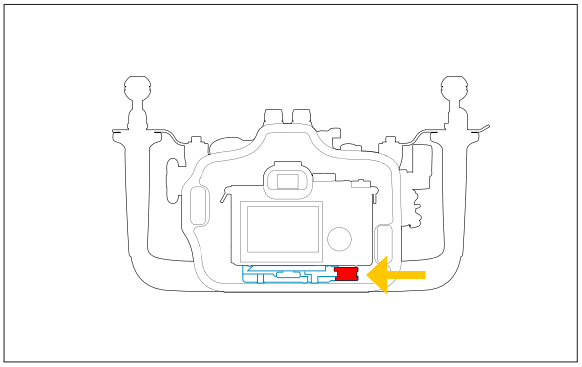
3



** pull out the zoom/focus knob if installing the camera with lens and gear attached*
** make sure the still/movie/S&Q lever is aligned with camera control before sliding the camera into the housing*
** please refer to page 11 for port installment*

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

4



lock camera tray

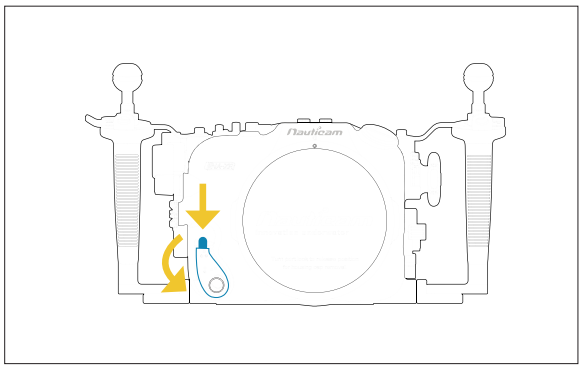
** place the zoom/focus knob in place and make sure it is engaged with lens gear*

PREPARATION FOR USE

* drawings as illustrations only

New Patented Port Mounting Design

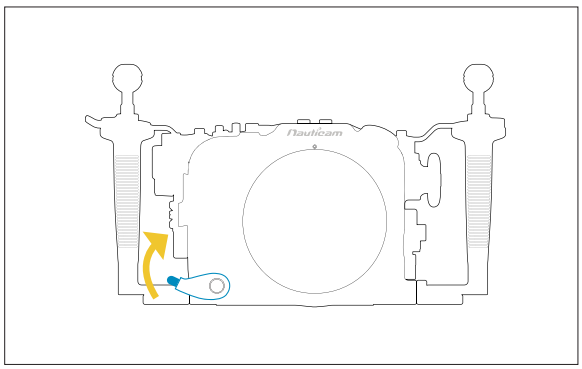
1



depress safety button and rotate anti-clockwise

remove housing cap from port mount

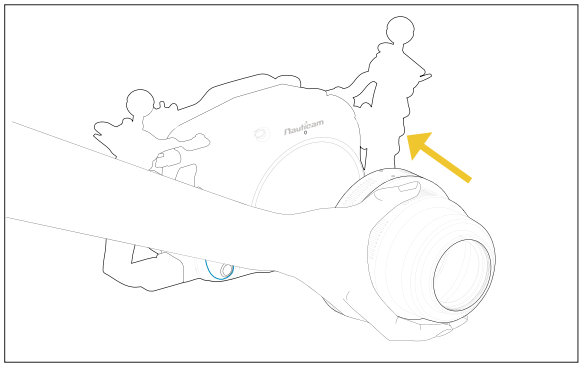
2



rotate locking lever clockwise to lock

⚠ *Do not operate the blue lever with force*

3

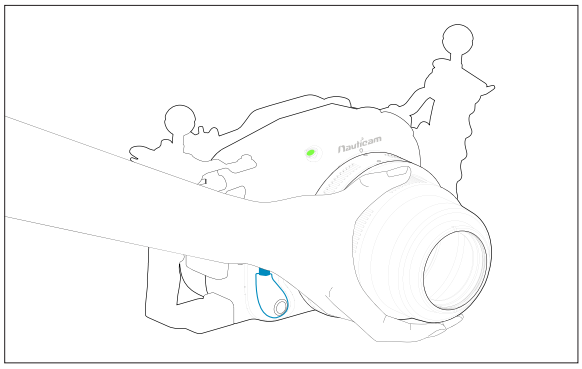


lubricant the port O-ring before mounting onto the housing

align the index mark

then push the port assembly straight in firmly until you can hear and feel a distinct 'click'

4



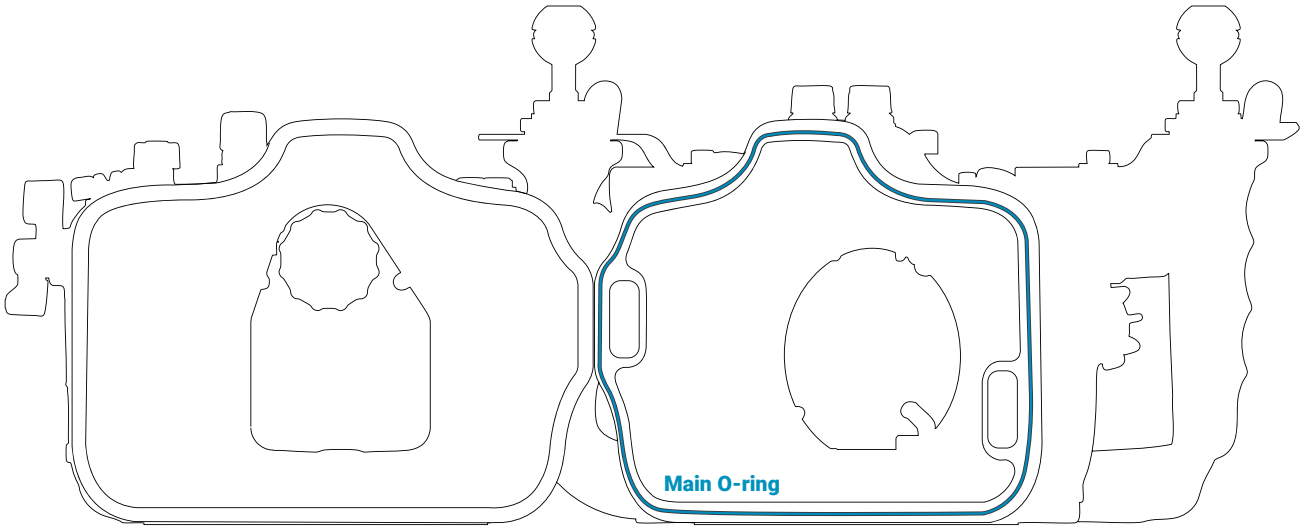
finally check the port lock safety indicator window

◉ the window shows green when the port is securely locked

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

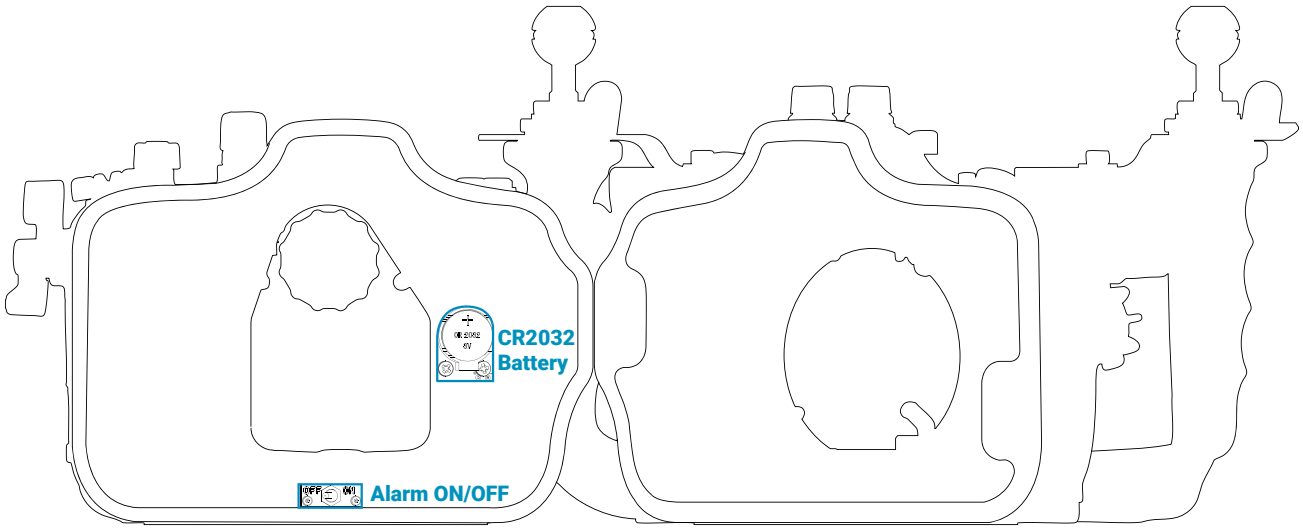
4

return the main O-ring by slowly pressing from one corner to the whole perimeter

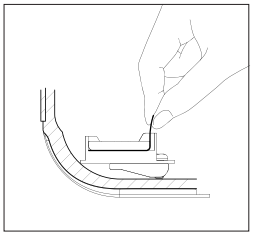
PREPARATION FOR USE

* drawings as illustrations only

Setting up moisture alarm

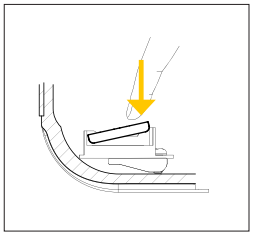


1



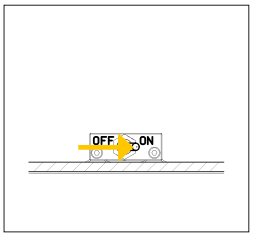
remove battery insulation film

2



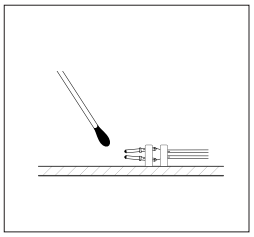
press the battery down until it click into place

3



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

4



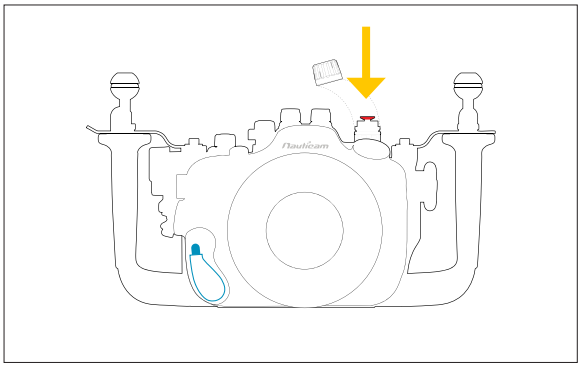
test the alarm
- connect the wires with a dampened cotton bud; the alarm will give a repeating 'beep' and the mositure alarm window will flash RED

PREPARATION FOR USE

* drawings as illustrations only

Changing lens/port without opening the housing

1

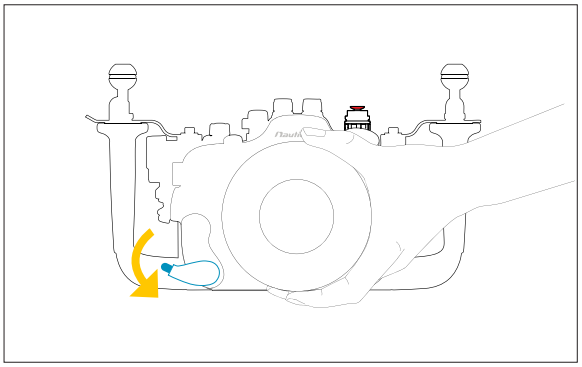


If using with vacuum valve :

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

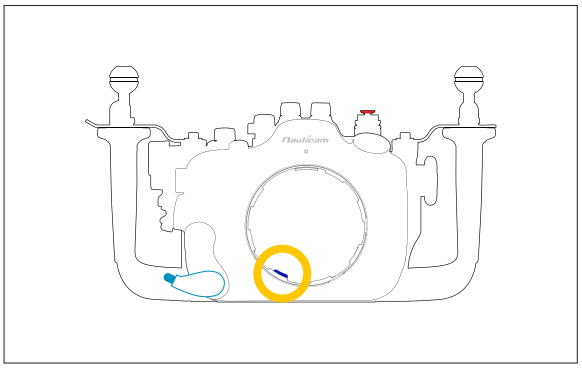
If using without vacuum valve, please follow from step 2

2



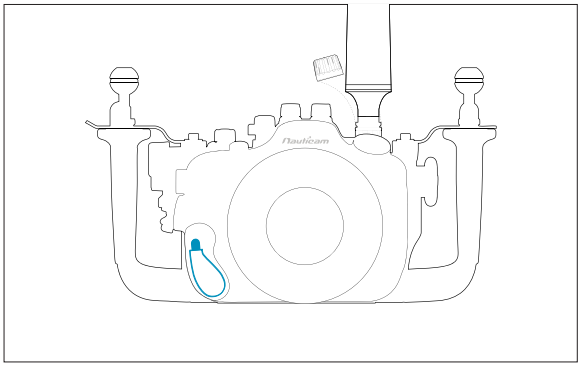
unlock port lock and remove port assembly

3



press the blue button to reset vacuum alarm before replacing port

4



reset vacuum valve system using hand pump then close the cap

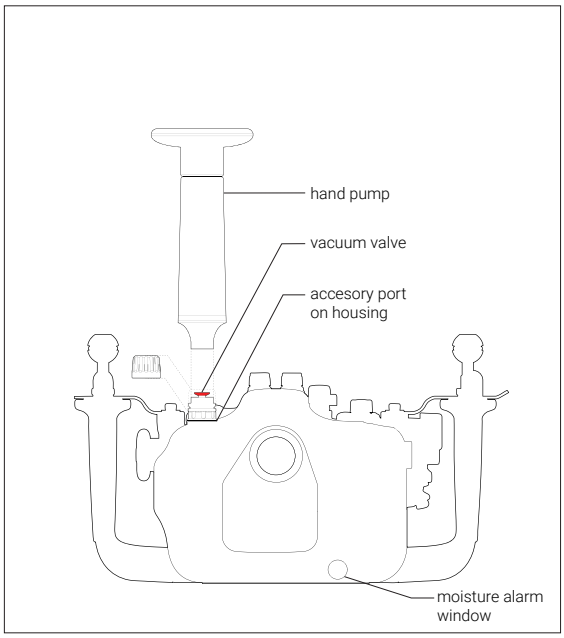
***** *please refer to page 15 for complete vacuum system guidance*

OPTIONAL ACCESSORIES

* drawings as illustrations only

Vacuum valve system

1

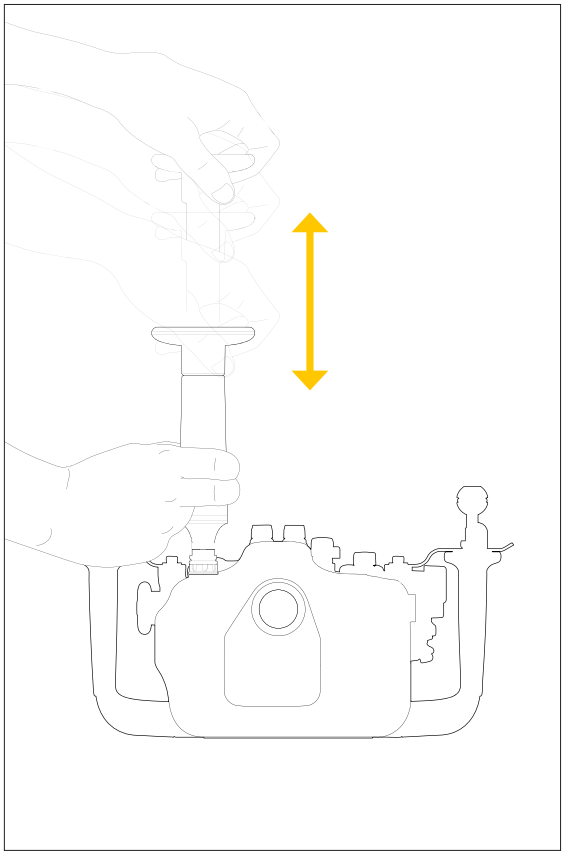


remove the plug of M14 accessory port from the housing

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

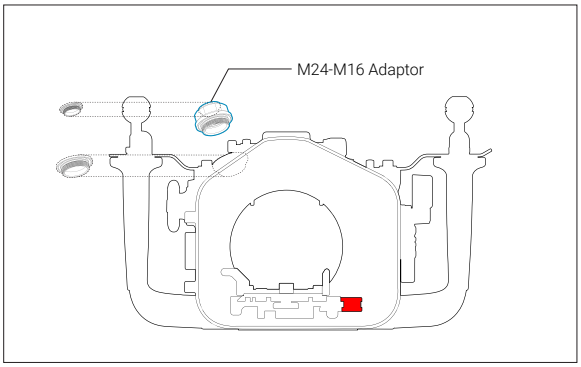
** It is recommended to leave the housing for at least 20mins to ensure it is sealed. If the LED light changes from steady green light to rapidly flashing yellow light, that means there is a leakage. Please check every O-ring and then conduct the vacuum test again.*

OPTIONAL ACCESSORIES

* drawings as illustrations only

Installing Surface USB-PD Power Bank

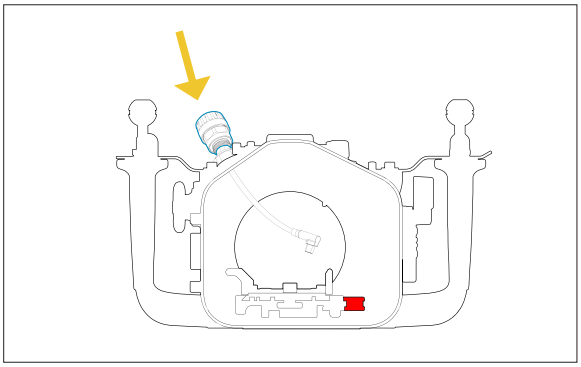
1



unscrew the M24 accessory port cap from the camera housing and screw the M24-M16 adaptor into the housing port

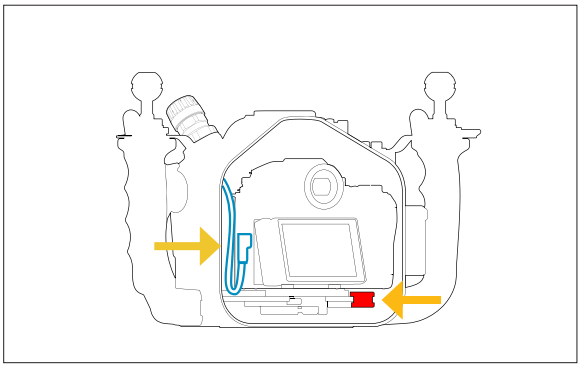
** M24-M16 Adaptor is not needed if installing the USB-C Bulkhead into the M16 accessory port*

2



plug the USB-C Bulkhead into the accessory port, gently push the connection head into the accessory port until it cannot go further then tighten it by turning the locking nut

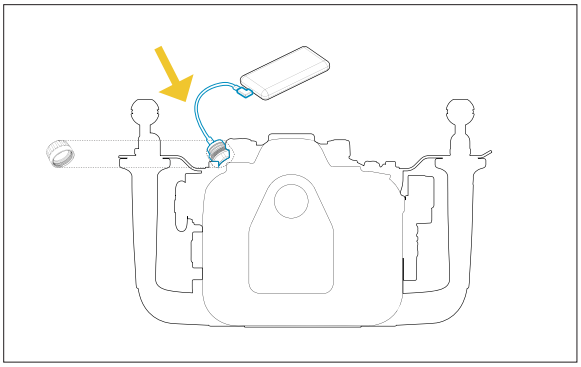
3



plug the cable into the USB Type-C jack on the camera with camera tray attached before sliding into the camera housing

slide the camera tray into the housing along the tray rail then lock camera tray

4



close the housing gently

plug the power bank with USB Type-C connector into the USB-C bulkhead

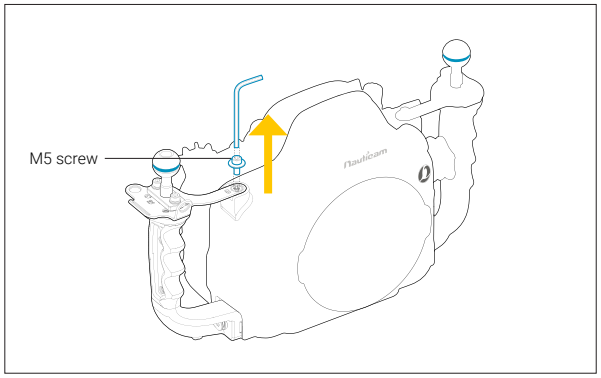
OPTIONAL ACCESSORIES

* drawings as illustrations only

Strobe Mounting Ball

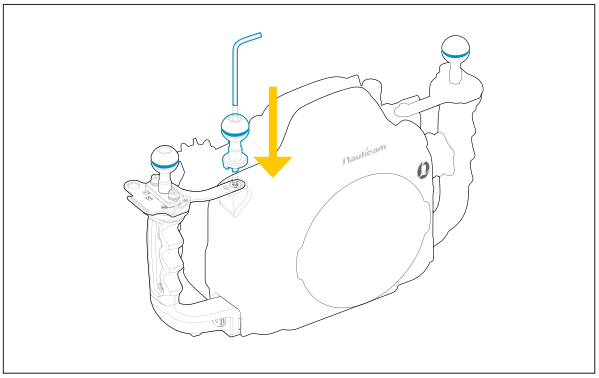
Installing M5 Strobe Mounting Ball - RECOMMENDED

1

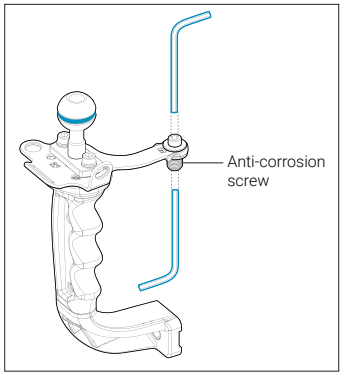


remove M5 screw with the allen key provided in the housing package

2

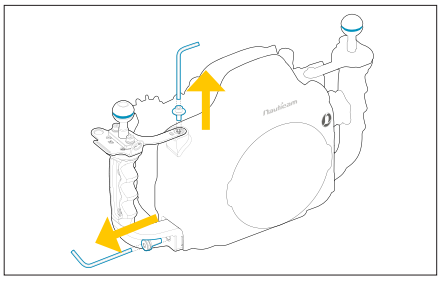


screw #25228 M5 Strobe mounting ball directing onto the M5 thread



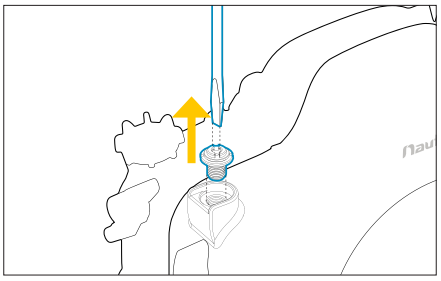
** the anti-corrosion screw may also be unscrewed while removing M5 screw, if this is happening, you can seperate the parts as shown in the diagram on the left*

Installing M10 Strobe Mounting Ball - Optional



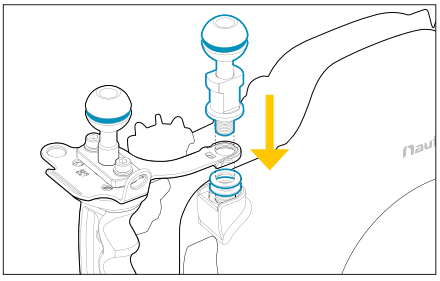
1

remove M5 screw and housing handle screw on the side



2

take out the handle and remove the anti-corrosion screw

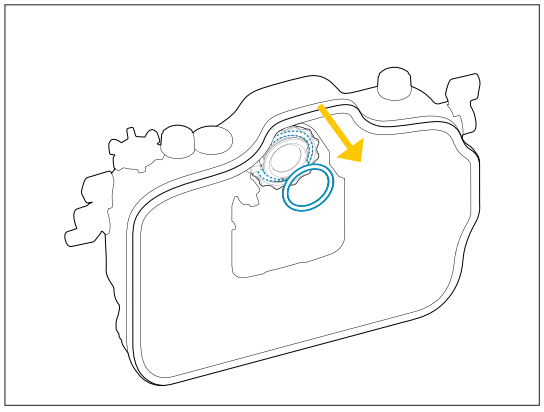


3

screw the M10 strobe mounting ball onto the housing as shown

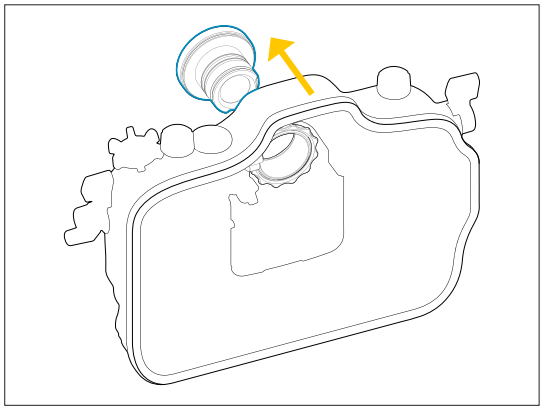
OPTIONAL ACCESSORIES

1



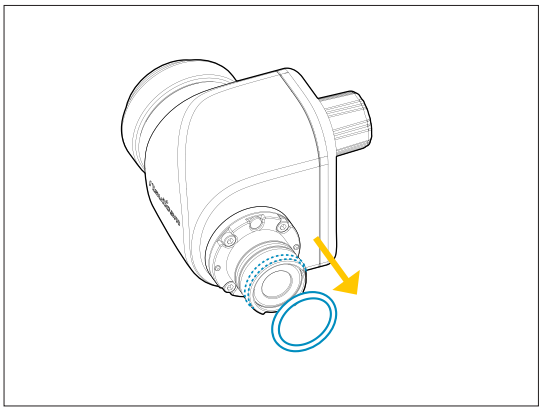
firstly remove the pre-installed 0.66x viewfinder from the housing by removing the retainer o-ring inside rear housing

2



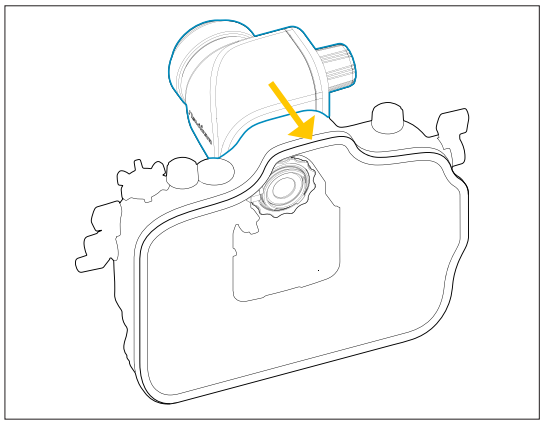
gently push the 0.66x viewfinder from the inside of the housing

3



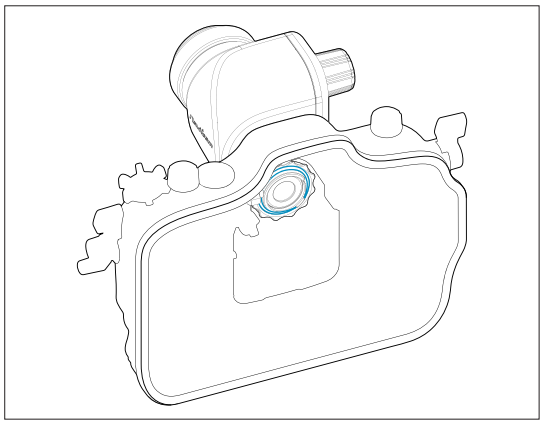
remove the retainer o-ring from the viewfinder

4



align the viewfinder alignment pins with the LCD display window and push the viewfinder into the housing until it cannot go in any further

5



lightly lubricate the retainer o-ring and place it back from inside the housing

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 transportation. Do not travel with camera inside housing.

5

We recommand to ship the housing to our servic centers for a complete overhual after 500 dives/every 3 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	343 mm
Height	202 mm
Depth	127 mm

Weight

In air	2.86 kg
Buoyancy in water	negative 0.64 kg (w/ camera & NP-SA100battery)

Depth

Rating	100 m

Port specifications

Port mount	N 100 Port System for Sony E-Mount Camera System
Port accessories	1 x M24, 1 x M14, 1 x M10

Surface USB-PD Power bank

25056 M14 Nikonos 5-pin Bulkhead with Universal Hotshoe Connection

26326 M24-M16 Adaptor (for M24 accessory port only)

Lanyard

25413 27cm Lanyard with 2 Snap Hooks

Viewfinder

32211 Nauticam Full Frame Straight Viewfinder 32°/ 1:1

32212 Nauticam Full Frame Straight Viewfinder 40°/ 0.8:1

32213 Nauticam Full Frame Angle Viewinder 32°/ 1:1

32214 Nauticam Full Frame Angle Viewinder 40°/ 0.8:1

* *32212/32214 is recommended*

Buoyancy options

72261 Ø70x200mm Carbon Fibre Aluminium Float Arm (Buoyancy 370g)

72262 Ø70x250mm Carbon Fibre Aluminium Float Arm(Buoyancy 520g)

72263 Ø70x300mm Carbon Fibre Aluminium Float Arm (Buoyancy 670g)

72264 Ø90x170mm Carbon Fibre Aluminium Float Arm (Buoyancy 450g)

72265 Ø90x220mmCarbon Fibre Aluminium Float Arm (Buoyancy 720g)

72266 Ø50x200mm Carbon Fibre Aluminium Float Arm (Buoyancy 160g)

72267 Ø50x250mm Carbon Fibre Aluminium Float Arm (Buoyancy 240g)

72268 Ø50x300mm Carbon Fibre Aluminium Float Arm (Buoyancy 320g)

72233 Single Bayonet Holder II for Ø70 Float Arm

72234 Double Bayonet Holder II for Ø70 Float Arm

83252 Bayonet Holder for Arms

83253 Double Bayonet Holder for Arms

83254 Bayonet Lens Holder for Inon Float Arms

87516 EMWL Bayonet Holder for Ø70 Float Arm

87517 EMWL Bayonet Holder for Ø90 Float Arm

FLASH TRIGGERING

Optical

Flash Trigger

26302 Mini Flash Trigger for Sony

26602 HSS TTL Converter for Sony (NA-A1/9/A7) **26602A is required*

26602A Adaptor Set for Using 26602 with NA-A7RVI

26216 Universal Optical Fiber Cable

Electrical

26326 M24-M16 Adaptor for use with 26325

25056 M14 Nikonos 5-pin Bulkhead with Universal Hotshoe Connection

WET LENS COMPATIBILITY

**please refer to Nauticam port charts for more setup information*

Nauticam optical lenses

Macro	81202 Super Macro Convertor 2
	81203 Super Macro Convertor 3
	81301 Compact Macro Convertor 1
	81302 Compact Macro Convertor 2
	81501 Mid-range Focus Optimizer 1
	81503 Mid-range Focus Optimizer 3
Macro to Wideangle	86201 Macro to Wideangle Lens 1 (MWL-1) 150 deg. FOV with full rame 60mm macro lens
	87303 EMWL Set #3
	87203 EMWL Focusing Unit #3
	87211 EMWL 150mm Relay Lens
	87212 EMWL Angled Relay Lens
	87221 EMWL 60° Objective Lens
	87222 EMWL 100° Objective Lens
	87223 EMWL 130° Objective Lens
	87226 EMWL 160° Objective Lens
Wideangle	83202 Wet Wide Lens 1B (WWL-1B) 130 deg. FOV with Compatible 28mm Lenses (incl. float collar)
	83203 Wet Wide Lens Compact (WWL-C) 130 Deg. FOV with Compatible 24mm Lenses (incl. float collar)
	85204 0.57x Wide Angle Conversion Port - 2 (WACP-2) 140 Deg. FOV with Compatible 14mm Lenses (incl. float collar)
	85205 N100 0.36x Wide Angle Conversion Port Compact (WACP-C)
	85206 N120/N100 0.36x Wide Angle Conversion Port (WACP-1B) (incl. float collar & interchangeable port mounting ring)
	85207 N120/N100 Fisheye Conversion Port (FCP-1) 170 Deg. FOV with Compatible 28mm Lenses (incl. float collar & interchangeable port mounting ring)

Optional accessories

25101 M67 Flip Diopter Holder for M67 Macro ports
25108 M67 Double Flip Holder for M67 Macro Ports
83250 M67 to Bayonet Converter II
83251 M77 to Bayonet Converter II
83214 Bayonet Mount Adaptor for SMC/CMC
86221 M67 Flip holder for MWL-1
86222 Double Flip Holder for MWL-1
87501 Flip Holder for EMWL
87512 Shade for 130° Objective Lens
87513 Shade for 100° Objective Lens
87516 EMWL Bayonet Holder for Ø70 Float Arm
87517 EMWL Bayonet Holder for Ø90 Float Arm
87518 Strobe Mounting Brackets for EMWL Relay Lens

HDMI CONNECTION & MONITOR OPTIONS

HDMI Connectivity Required Accessories (2.0)

25086 M24 Adaptor for HDMI 2.0 Cable (incl. tightening tool)
25099 M24A2R200-M28A1R170 HDMI 2.0 Cable

Monitor Options (2.0)

17922 Nauticam Atomos Ninja V Housing for Atomos Ninja V 5”
17922S Nauticam Atomos Ninja V-S Housing for Atomos Ninja V 5” with Atomos AtomX SDI Module
16613 Nauticam Atomos Ninja TX Housing

Optional Monitor Mounting Accessories

17951 Atomos Housing Mounting System
17952 Nauticam Monitor Housing Mounting Adaptor
17954 Tripod plate for NA-A7S and NA-GH4
17960 Universal Quadra-Pod Plate

HDMI Connectivity Required Accessories (1.4)

25033 Standard HDMI Bulkhead with M16 Thread
26326 M24-M16 Adaptor for use with 26325
25047 HDMI (D-D) Cable in 800mm Length
25082 HDMI 1.4 Cable for Ninja V Housing in 0.75m Length
25038 HDMI (A-D) Cable in 750mm Length
25100 HDMI (D-A) 1.4 Cable in 200mm Length

Monitor Options (1.4)

16611 Nauticam 7” G7 UW ULTRAHD Monitor
16612 Nauticam 7” T7 UW ULTRAHD Monitor
17927 NA-Shinobi II Housing
17922 Nauticam Atomos Ninja V Housing

***** *25047 is required for use with 16611/16612 monitor housing*

***** *25082 is required for use with 17922 monitor housing*

***** *17927 includes 25033, 25038 and 25100.*

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