October , 2026

NA - FX5

For Sony FX5 Full frame Cinema Camera

PN 17441

User Manual

Housing

Digital Cinema

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INTRODUCTION

Thank you for your purchase of a NAUTICAM product.

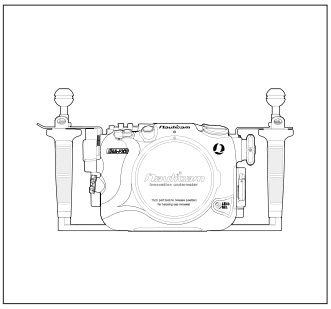
At NAUTICAM, we pride ourselves in the ability to recognize the requirements of professional as well as amateur underwater photographers and fulfill them through the innovative designs of our products. We strive to achieve a high level of user-friendliness by allowing stress-free installation and easy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

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

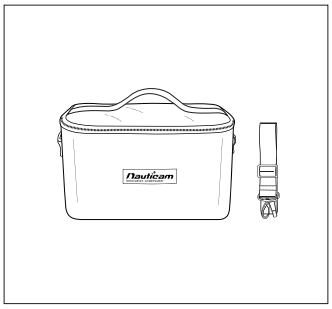
Please read this manual carefully before using the product, this will maximize its performance as well as its lifetime.

PACKAGE CONTENTS

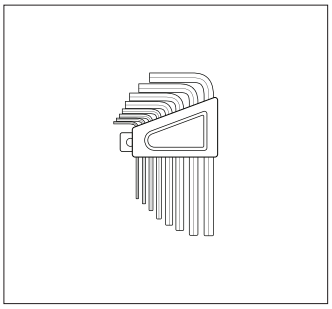
The product contains following contents:



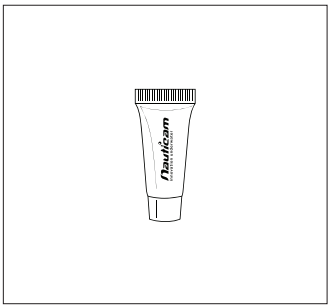
NA-FX5
(2 x Handles with Mounting Balls, 1 x Housing Cap,
2 x Optical Fiber Mount Caps, 2 x Stainless Steel Handle Brackets)



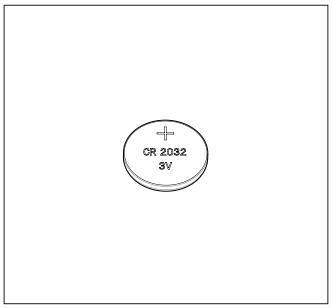
Padded Travel Case



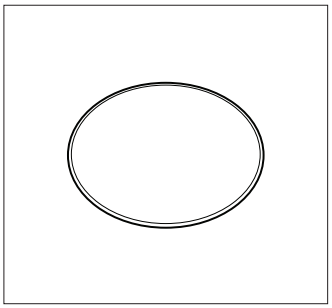
Allen key set



Lubricant

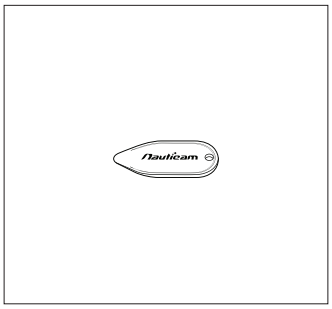


Panasonic CR2032 Battery
(pre-installed for Moisture Alarm)



Spare Main O-ring
#90136

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



O-ring Remover

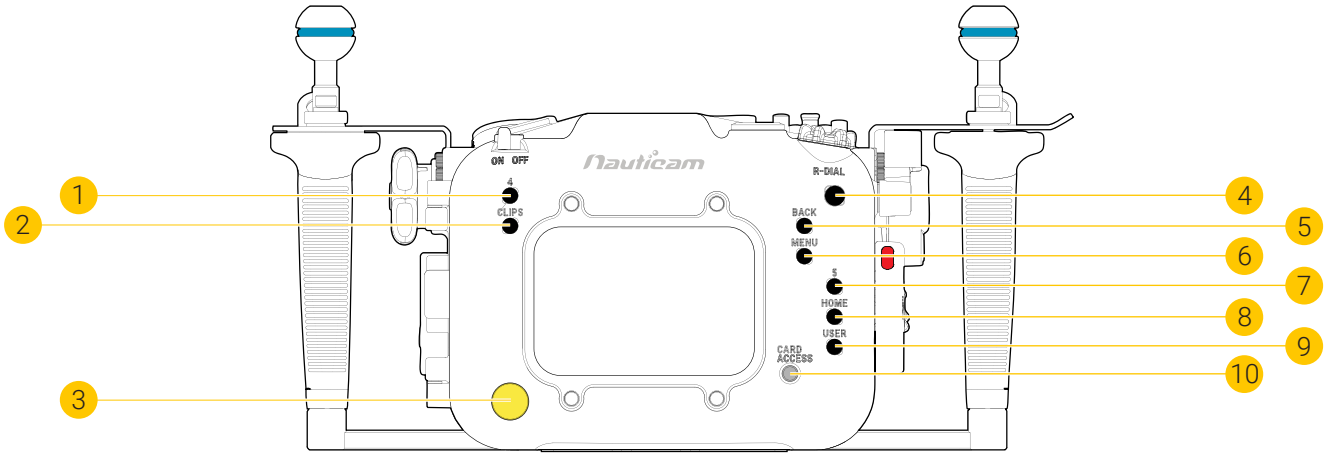
IMPORTANT SAFETY INSTRUCTIONS

All the safety and operating instructions should be read before using the product.

- After installation of the port combo, please make sure the O-ring (s) are free from debris and uneven surface issues.
- A water-tight/vacuum test without the camera inside the housing is highly recommended after the changing of port and O-ring(s).
- Do not use lubricants from other brands with the silicone rubber O-ring on this housing, only use the lubricant provided by NAUTICAM.
- Discontinue use immediately should you notice any leakage.
- 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.
- Defective products should be shipped to our distributors for service, unauthorized disassembling and/or modifications could result in malfunction or leakage.
- When travelling by air, do not travel with any port installed as this may lead to a pressure difference between the atmosphere and inside the housing.
- Do not change, heat or unduly twist or pull the HDMI/SDI connection bulkhead and cord, and do not place heavy objects on the connection cable/cord when connected to the system.
- Do not place the full housing set up on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product.
- Do not lose your attention on the dive computer while pursuing fast moving subjects to deeper depths.
- Never jump in the water holding your housing. Always have your housing handed to you.
- Do not use in the presence of flammable objects, explosive gases or dust.
- Keep out of reach of small children.

PART NAMES AND FUNCTIONS

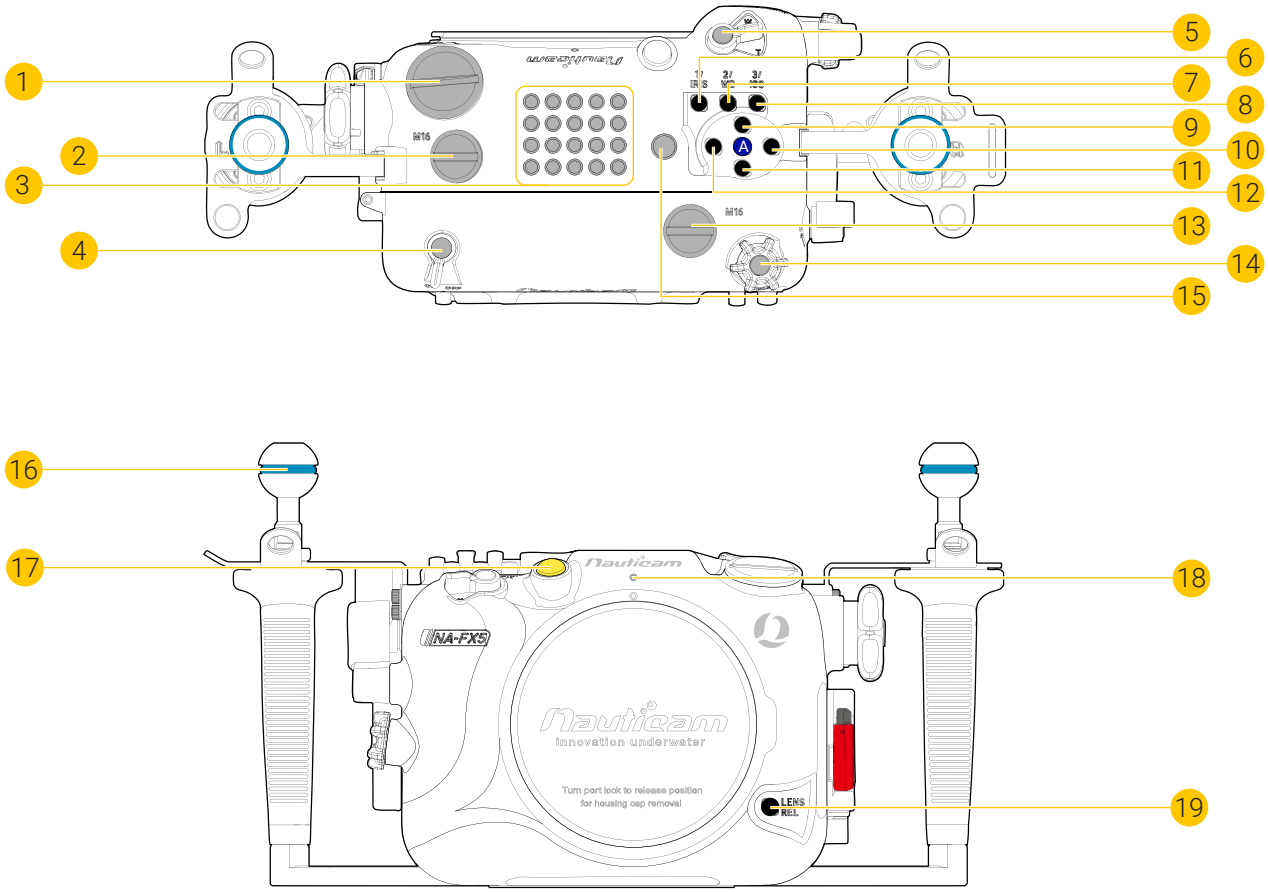
Rear View



1	Custom 4 button	2	Clips button
3	Moisture alarm window	4	R-dial button
5	Back button	6	Menu button
7	Custom 5 button	8	Home button
9	User button	10	Access lampt

PART NAMES AND FUNCTIONS

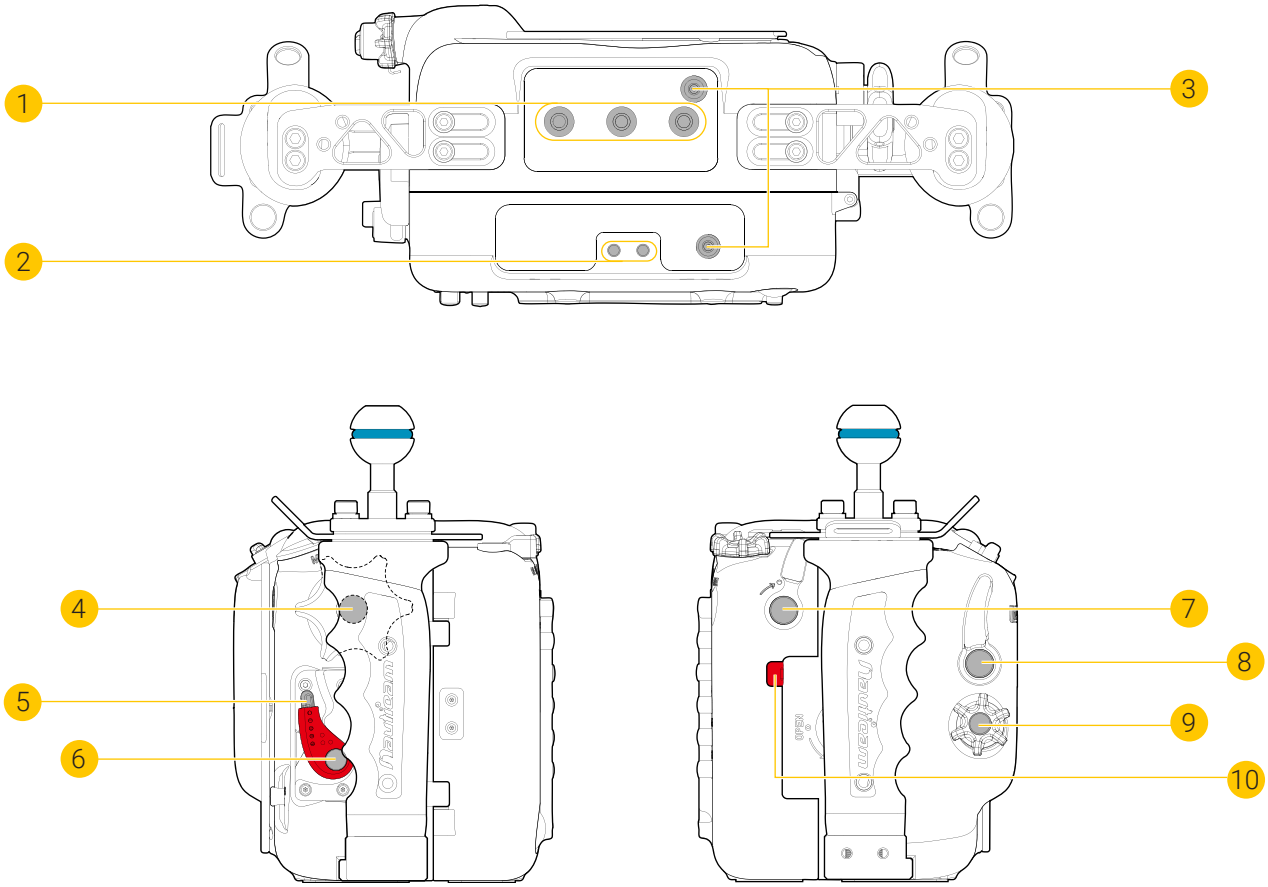
Top + Front Views



1	M24 Accessory port	2	M16 Accessory port
3	1/4” Threaded holes	4	Main Switch
5	W/T lever	6	IRIS button / Custom 1 button
7	WB button / Custom 2 button	8	ISO button / Custom 3 button
9	Multi-selector - Up	10	Multi-selector - Right
11	Multi-selector - Down	12	Multi-selector - Left
13	M16 Accessory port	14	Rear dial
15	M10 Accessory port	16	Accessory mounting ball
17	AF illuminator/Visible light sensor	18	Port index mark
19	Lens release button	A	Multi selector - center

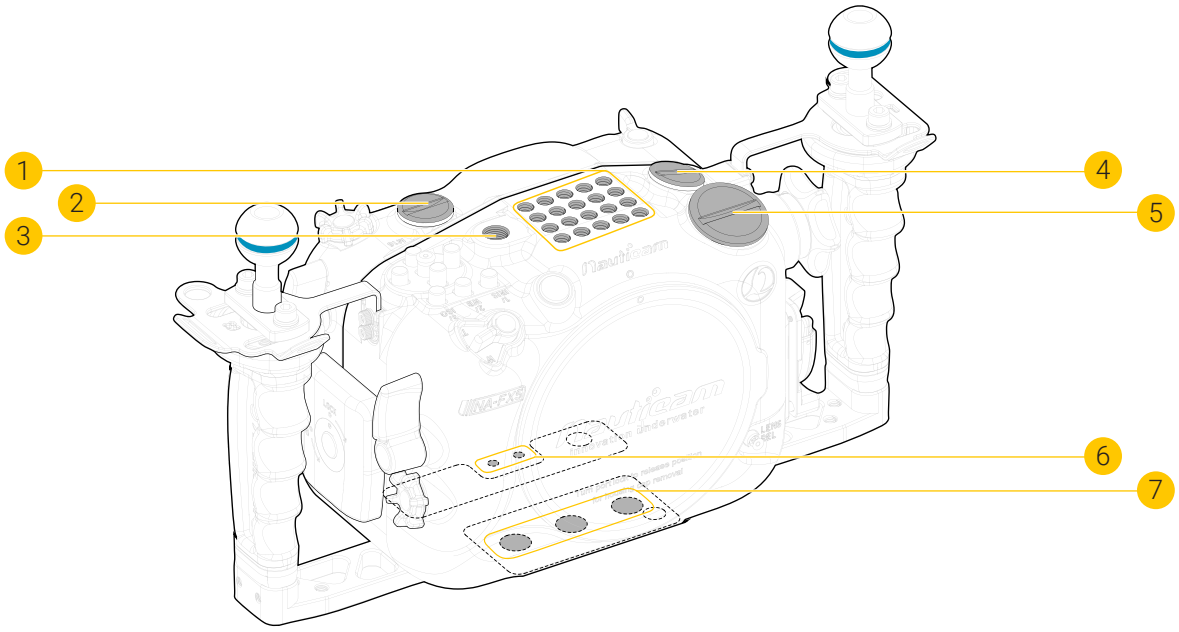
PART NAMES AND FUNCTIONS

Back + Side Views



1	1/4” Threaded tripod holes	2	M5 Threaded holes
3	Sacrificial zinc anodes	4	Zoom/Focus dial
5	Port lock safety button	6	Port locking lever
7	REC button	8	Shutter release lever
9	Front dial	10	Housing unlock button

HOUSING MOUNT

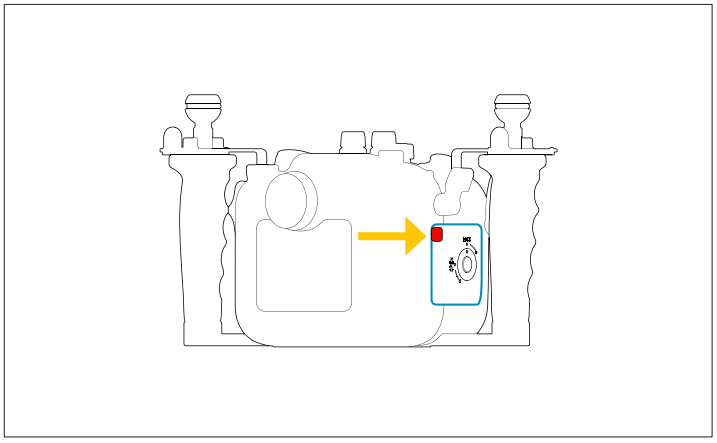


Housing mount		Compatible accessories		
1	1/4” -20 mounting threads	17959	Housing Mounting ball with 1/4” screws	
		17961	Swivel and tilt adjustable monitor mount system	
2	M16 Accessory port	25625	M16 Vacuum Valve II (Optional)	
3	M10 Accessory port	25221	M10 Strobe mounting ball	
		25224	M10 Strobe mounting ball with hole	
4	M16 Accessory port	25033	Standard HDMI bulkhead with M16 thread	*HDMI 1.4*
		95848	M16 Extension	*HDMI 1.4*
		26325	USB-C Bulkhead for Surface USB-PD	
5	M24 Accessory port	25086	M24 adaptor for HDMI 2.0 cable	*HDMI 2.0*
		25703	M24A2R225-M28A1R170 HDMI 2.0 Cable	*HDMI 2.0*
		26326	M24-M16 Adaptor for use with 26325	*HDMI 1.4*
		25100	HDMI (D-A) 1.4 Cable in 200mm length	*HDMI 1.4*
		25047	HDMI (D-D) 1.4 cable in 800mm length	*HDMI 1.4*
		25038	HDMI (A-D) 1.4 cable in 750mm length	*HDMI 1.4*
6	M5 Threaded holes	25218	Mounting ball set for tripod legs	
7	1/4” -20 mounting threads	17954	Universal tripod plate	
		17960	Universal quadra-pod plate	

OPENING THE HOUSING

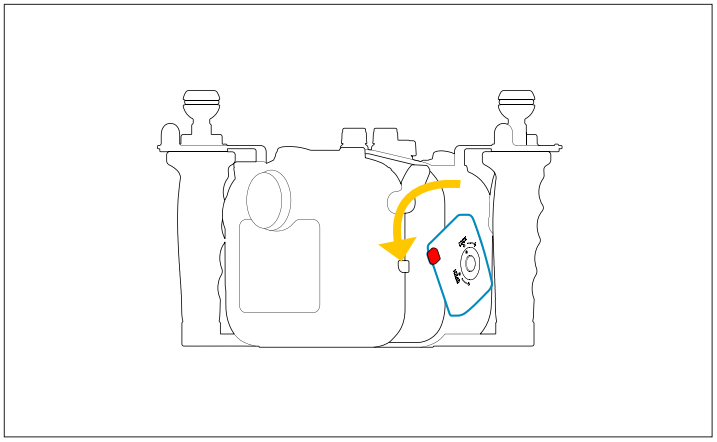
* drawings as illustrations only

1



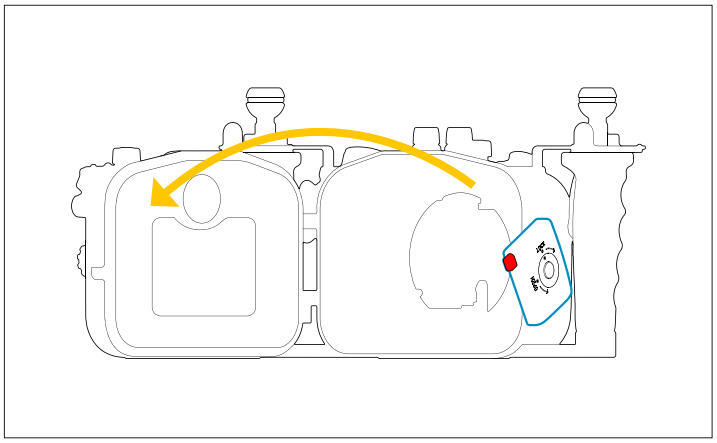
depress housing unlock button

2



turn housing lock latch anti-clockwise to open the housing

3

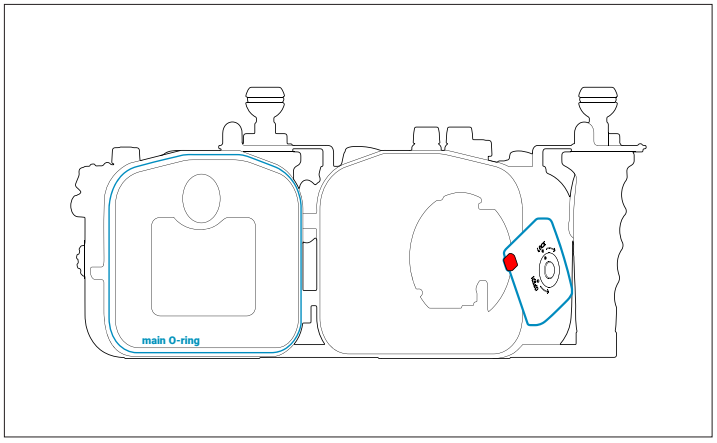


flip open the back housing when lock latch is aligned to ‘open’ position

CLOSING THE HOUSING

* drawings as illustrations only

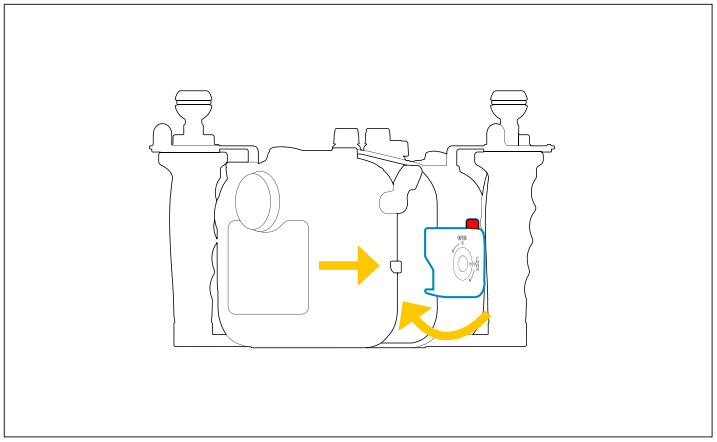
1



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

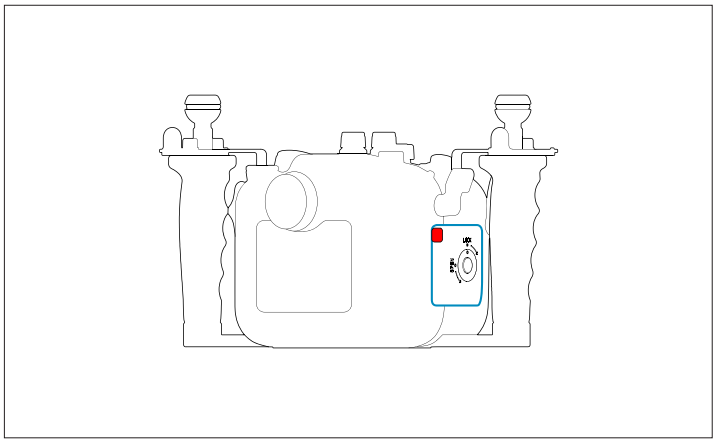
make sure nothing is caught between front and back housing and that they are fully aligned before locking

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



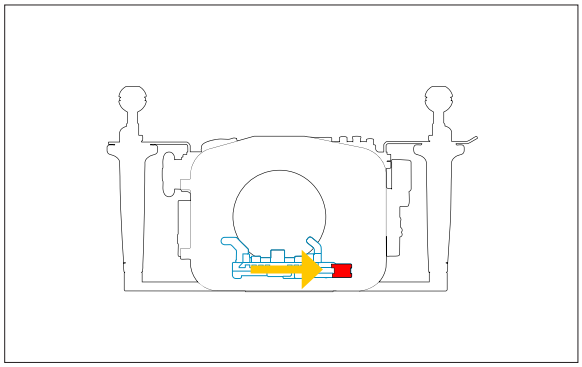
housing locked in place securely

PREPARATION FOR USE

* drawings as illustrations only

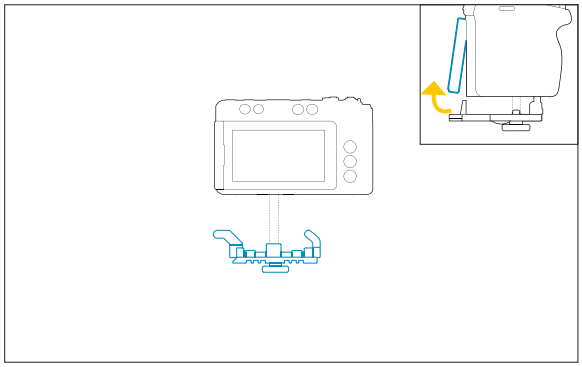
Installing the Camera - housing tray attachment

1



unlock camera tray lever and remove the tray from the housing

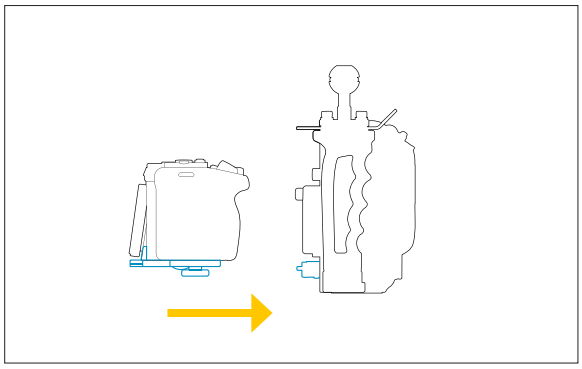
2



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

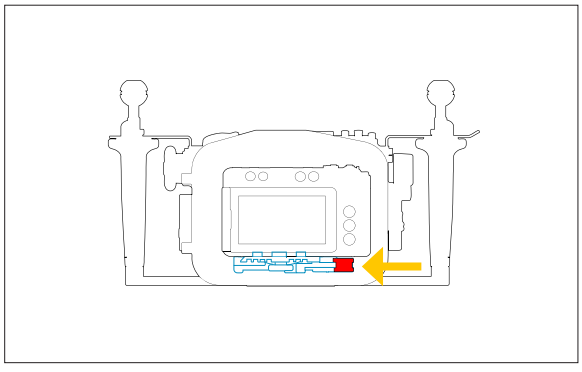
** tilt the flip screen as shown before screwing the camera into the camera tray*

3



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

4



lock camera tray

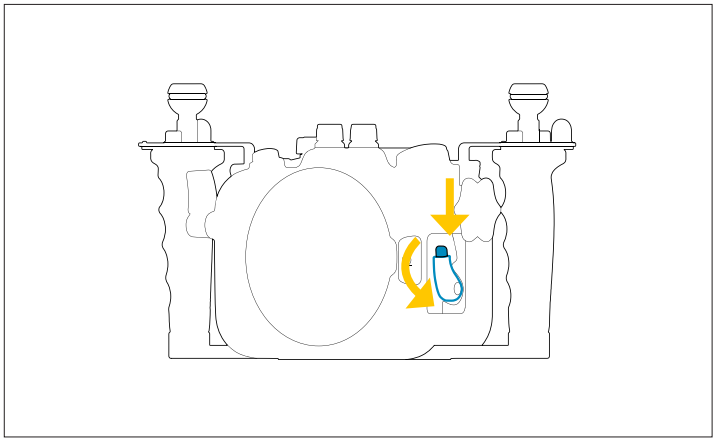
** place the zoom/focus knob in place and make sure it is engaged with lens gear*
**gently push the actuator of ON/OFF lever downwards to make sure it is engaged with the lever on the camera*

PREPARATION FOR USE

* drawings as illustrations only

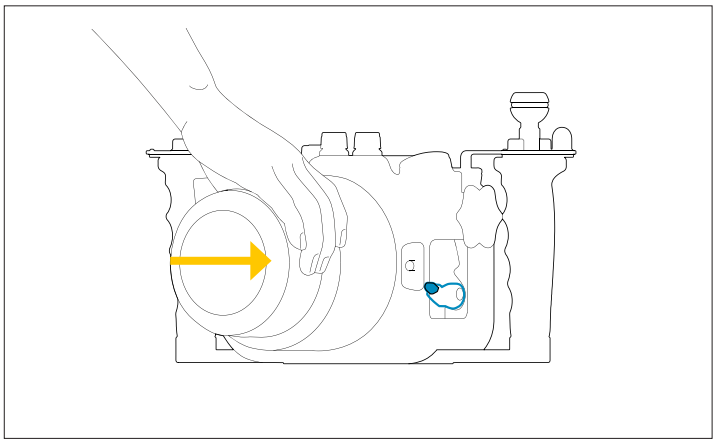
Port Mounting

1



depress port lock safety button and rotate anti-clockwise

2

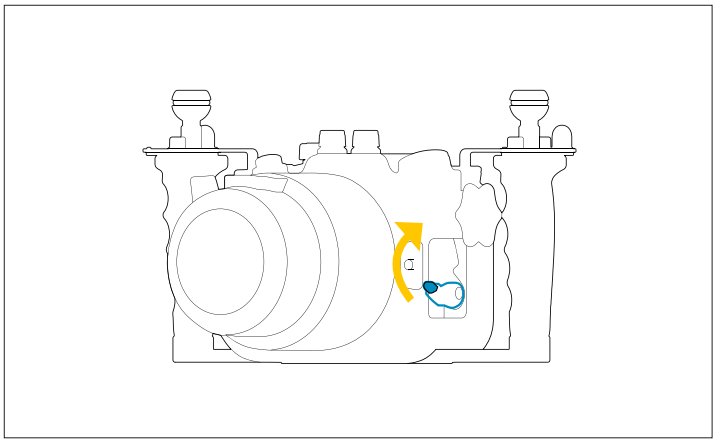


lubricant the port O-ring before mounting

align index mark

push port assembly straight in

3



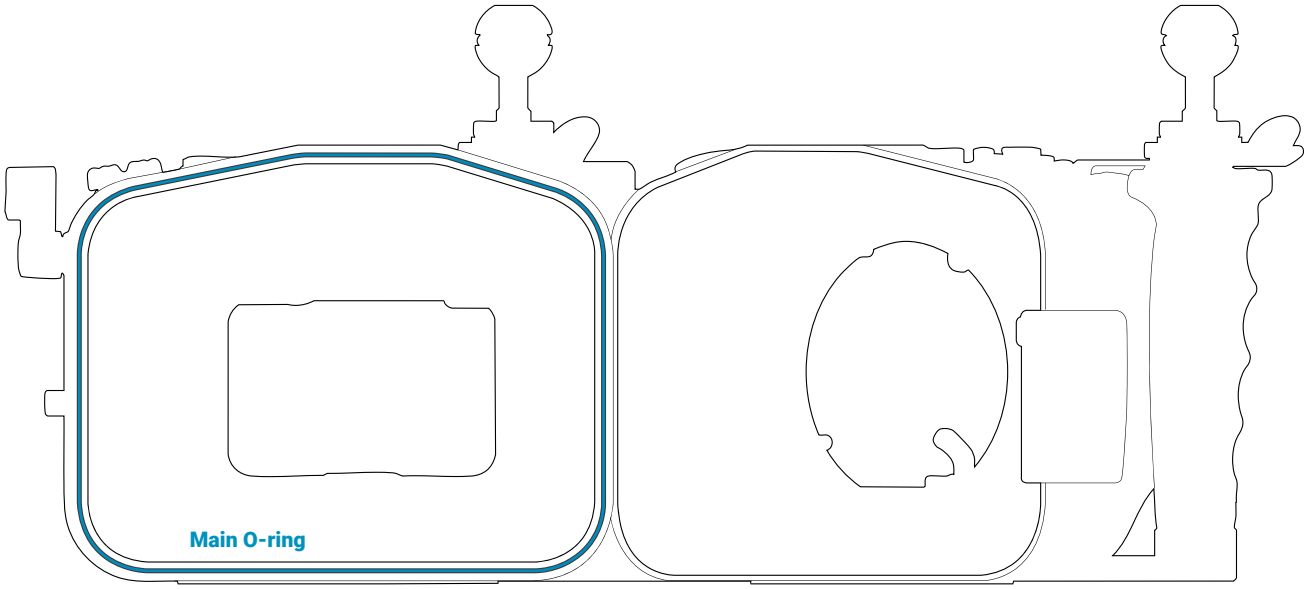
rotate locking lever clockwise to lock

⚠ *Do not operate the red lever with force, make sure the port is aligned correctly and pushed in fully and securely*

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

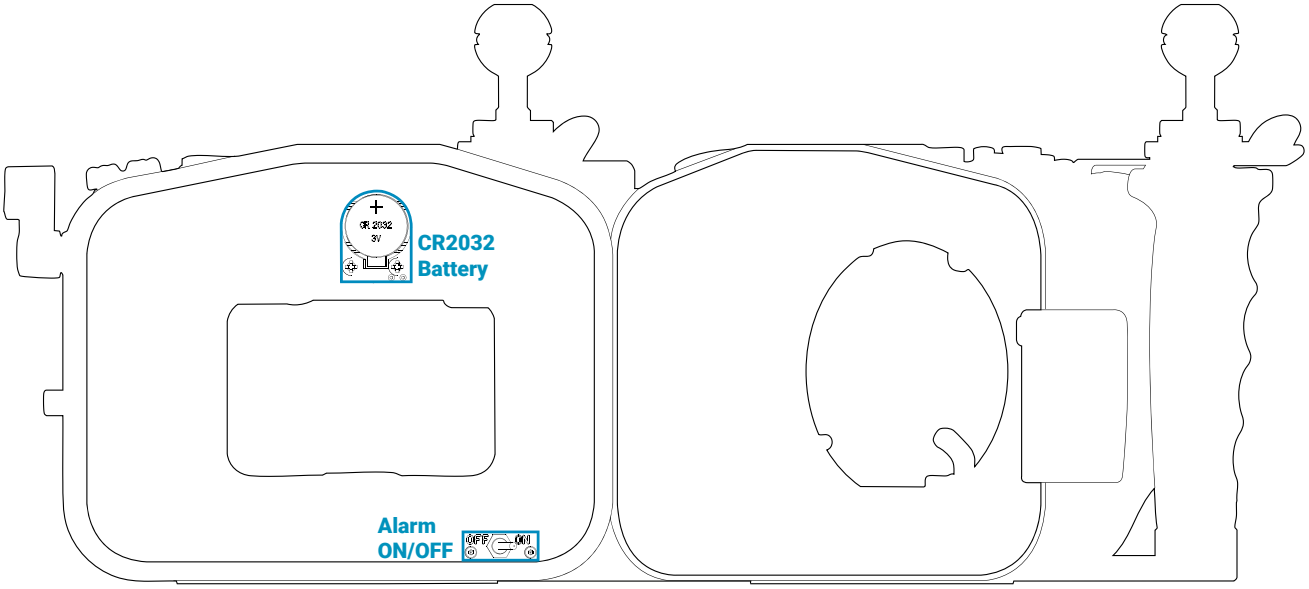
4

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

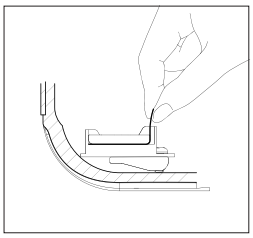
PREPARATION FOR USE

* drawings as illustrations only

Setting up moisture alarm

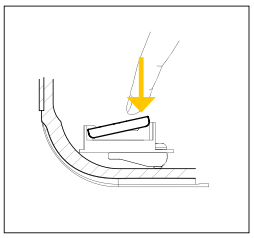


1



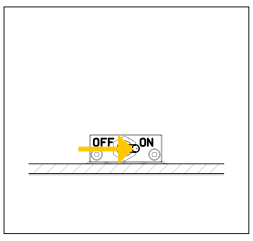
remove battery insulation film

2



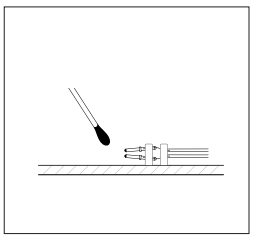
press the battery down until it click into place

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

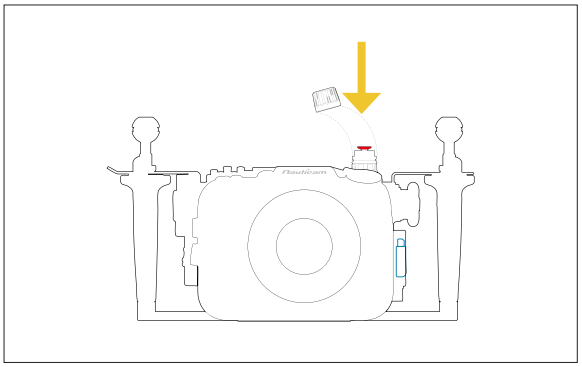
***** *please contact our authorized service centers if testing fails*
***** *please refer to page 15 for complete vacuum system guidance*

PREPARATION FOR USE

* drawings as illustrations only

Changing lens/port without opening the housing

1

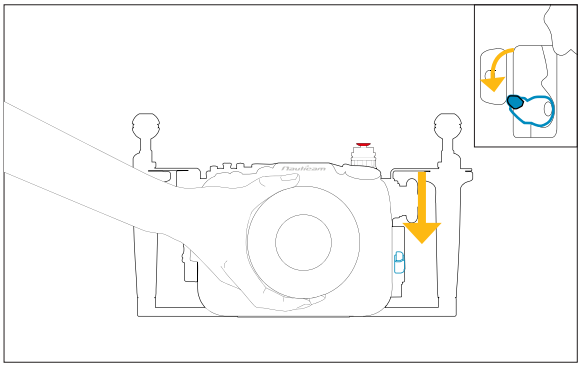


If using with vacuum valve :

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

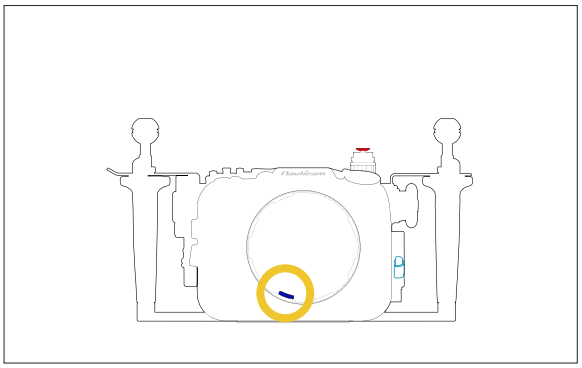
If using without vacuum valve, please follow from step 2

2



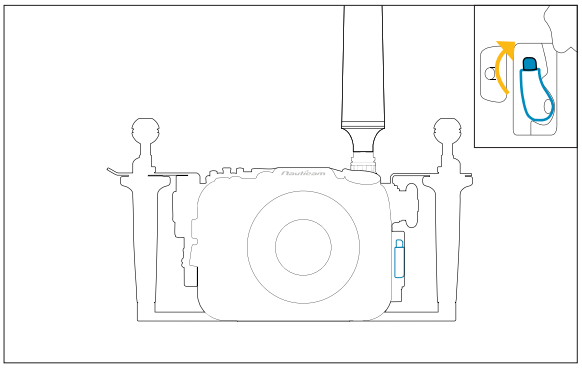
unlock port lock and remove port assembly

3



press the blue button to reset vacuum alarm before replacing port

4



replace port assembly then lock port lock

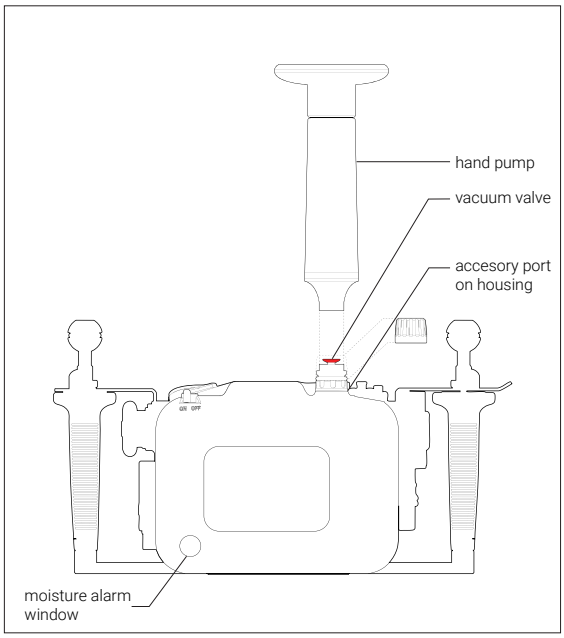
reset vacuum valve system using hand pump and close the cap after

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

OPTIONAL ACCESSORIES

* drawings as illustrations only | Vacuum valve system

1



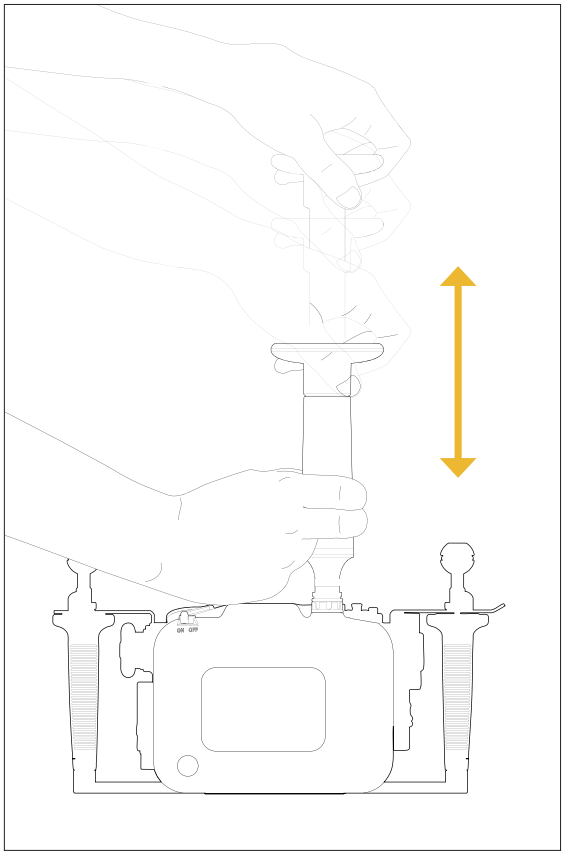
remove the plug of M16 accessory port from the housing

remove the cap from the vacuum valve

slightly lubricate the o-ring and make sure the o-ring is in place

then 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.*

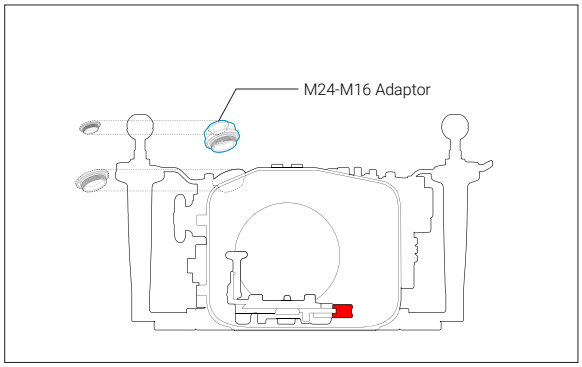
** please contact our authorized service centers if testing fails*

OPTIONAL ACCESSORIES

* drawings as illustrations only

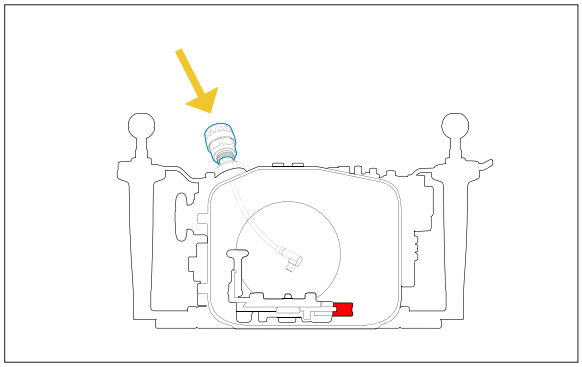
Installing Surface USB-PD Power Bank

1



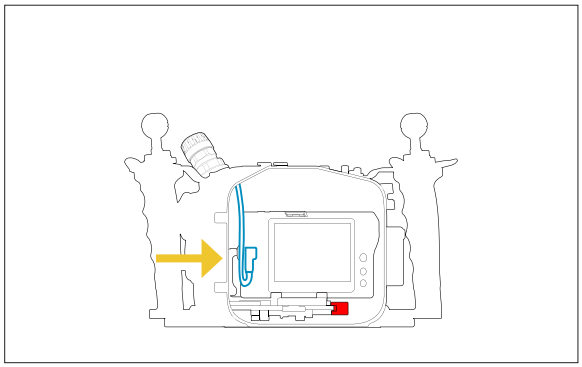
unscrew the M24 accessory port cap from the camera housing and screw the M24-M16 adaptor into the housing port

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

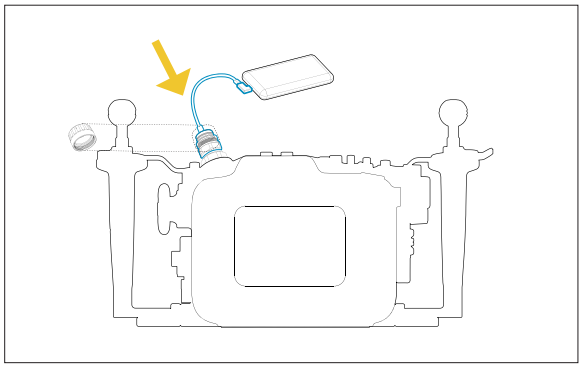
3



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

CARE AND MAINTENANCE

- Soak the housing system in fresh water after each 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.

- After removing the housing from the rinse tank, carefully press the housing lock safety button for a few times to avoid the accumulation of salt residue.

- After each day of diving, it is advisable to have both the housing main O-ring and port O-ring 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.

- We recommend to ship the housing to our service centres for a complete overhual after 500 dives/ every 3 years.

Please refer to “Nauticam Product Care and Maintenance Guide” for more details.

Google drive access for the file:
https://bit.ly/CareandMaintenanceGuide

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.

STORAGE

If the housing and camera are not used for an extended period, remove the camera from the housing.

Do NOT store or use the housing in locations that are:

- Very humid or extremely dusty.
- Exposed to direct sunlight or very high temperatures, such as in a closed vehicle on a sunny day.
- Extremely cold, lower than - 5 Celsius.
- Subject to strong vibration.
- Exposed to strong magnetic fields, such as near a broadcasting antenna, power line, radar emitter, motor, or magnet.
- In contact with volatile chemicals.

SPECIFICATIONS

Construction

Housing body	Hard Anodized Aluminium Alloy
Display window	Abrasion Resistant Polycarbonate

Dimensions

Width	320 mm
Height	184 mm
Depth	124 mm

Weight

In air	2.1 kg
Buoyancy in water	Negative 0.3 kg (incl. camera with battery)

Depth

Rating	100 m

Port specifications

Port mount	N100 Sony E-Mount
Port accessories	1 x M24, 2 x M16

Surface USB-PD Power bank

26325 USB-C Bulkhead with USB-C Connector
26326 M24-M16 Adaptor for use with 26325

***** *26325 and HDMI Out could be use together*

Lanyard

25227 27cm lanyard with Shackles
25412 23cm lanyard with 2 Snap Hooks

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
72243 Single Bayonet Holder II for Ø90 Float Arm
72244 Double Bayonet Holder II for Ø90 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

HDMI CONNECTION & MONITOR OPTIONS

HDMI connectivity required accessories (1.4)

25033 Standard HDMI Bulkhead with M16 Thread
95848 M16 Extension
***** *avoid 25100 interference with internal parts*
26326 M24-M16 Adaptor
25100 HDMI (D-A) 1.4 Cable in 200mm Length
25047 HDMI (D-D) Cable in 800mm Length
25038 HDMI (A-D) 1.4 Cable in 750mm Length

Monitor options (1.4)

16611 Nauticam 7" G7 UW ULTRAHD Monitor
16612 Nauticam 7" T7 UW ULTRAHD Monitor
17927 NA-Shinobi II Housing

***** *17927 includes 25033, 25038 and 25100, as well as M16 Extension.*

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

HDMI connectivity required accessories (2.0)

25086 M24 Adaptor for HDMI 2.0 Cable
25703 M24A2R225-M28A1R170 HDMI 2.0 Cable

Monitor options (2.0)

16613 Nauticam Atomos Ninja TX Housing
17922 Nauticam Atomos Ninja V Housing for Atomos Ninja V 5"
17922S Nauticam Atomos Ninja V-S Housing for Atomos Ninja V 5"
17925 Nauticam NA-Ultra5 Housing for SmallHD Ultra 5 Camera Monitor

Optional Monitor Mounting Accessories

17951 Nauticam Atomos Shogun Housing Mounting System
17952 Nauticam Monitor Housing Mounting Adaptor
17954 Tripod Plate
17960 Universal Quadra-Pod Plate
17961 Swivel and Tilt Adjustable Monitor Mount System

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 (for Canon RF 100mm f2.8 Macro)
	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 Lenes (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 wet lens accessories

25101 M67 flip diopter holder for M67 macro ports
25108 M67 Double Flip Holder for M67 Macro Ports
25115 M67 Triple Flip Holder for M67 Ports
83250 M67 to Bayonet Converter II
83251 M77 to Bayonet Converter II
83214 Bayonet Mount Adaptor for SMC/CMC
86222 Double Flip Holder for MWL-1
87501 Flip Holder for EMWL
87512 Shade for 130° Objective Lens
87513 Shade for 100° Objective Lens
87518 Strobe Mounting Brackets for EMWL Relay Lens

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