Nauticam
innovation underwater

NA - BMPCC6K

Instruction manual

FORWARD

Thank you for your purchase of a NAUTICAM housing.

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

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

The images in this manual may differ from the actual product.

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WARRANTY

All NAUTICAM Products are warranted against any material and manufacturing defects for two years from the date of purchase for consumer use. The warranty period is defined by the invoicing or payment date by the customer. Alternatively, the warranty period would be assumed from the day that the product is shipped from our facility. 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.

PRECAUTIONS

- A water-tight test without the camera inside the housing is highly recommended when using the system for the first time and 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.

- Store the housing in a robust, shock-proof container during transportation; avoid transporting with any equipment, such as a camera, inside the housing.

- When travelling by air, do not close the housing as this may lead to a pressure difference between the atmosphere and inside the housing.

- Care must be taken when opening the housing, as pressure may build up inside the housing which increases the opening force.

- 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.

- Do not store the product in an environment of high humidity.

- Do not leave the housing and the monitor in direct sunlight for prolonged periods.

- Keep out of reach of children, failure to do so could result in injury.

- Defective products should be shipped to our distributors for service, unauthorized disassembling and/or modifications could result in malfunction or leakage.

- Use only recommended battery with this product, do not mix different specifications or old and new batteries.

- Do not place excessive stress on the HDMI cable connector.

- Do not bend or twist the HDMI cable.

PACKAGE CONTENTS

- NA-BMPCC6K Housing
- 25625 M16 Vacuum Valve II
- Battery Holder for 4x 18650 Batteries (excl. batteries)
- 2x Handles and Mounting Balls
- Spare 90134 Housing O-ring
- O-ring Remover
- CR2032 Battery (for Vacuum System)
- Lubricant
- Set of Allen Keys
- Manual Instruction Card
- Padded Travel Case
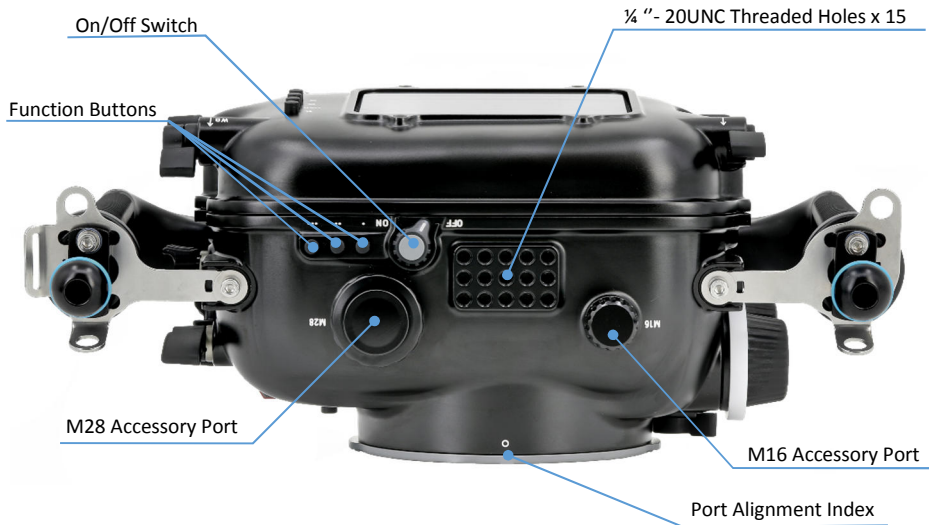- Shoulder Strap

SPECIFICATIONS

Construction	Housing Body:	Aluminum Alloy
	Surface Treatment:	Hard Anodized
	Display Window:	Abrasion Resistant Polycarbonate
Dimensions	Width:	378mm
	Height:	215mm
	Depth:	160mm
Weight in Water	-0.5kg (Incl. Camera, Canon LP-E6 Battery)	
Weight in Air	Approx. 3.9kg	
Depth Rating	100 m	
Port Mount	N120 Nauticam Canon EF Port Chart	
Compatible Cameras	Blackmagic Pocket Cinema Camera 6K (EF Lens Mount)	

IDENTIFICATION OF PARTS

Mounting Ball x 2

Port Lock Safety Button

Port Lock Lever

Lens Release Button

Zoom/Focus Knob
Lock/Release Lever

ISO Lever

Shutter Lever

Record Button

Setting Wheel

Still Lever

NA-BMPCC 6K

Handles are not displayed

On/Off Switch

Function Buttons

¼ ''- 20UNC Threaded Holes x 15

M28 Accessory Port

M16 Accessory Port

Port Alignment Index

Mounting Points for Monitor

Iris Button

WB Lever

Focus Lever

HFR Button

Zoom Button

Menu Button

Housing Lock Safety Button

Housing Lock

Moisture Alarm Window

Nauticam
NA-BMPCC6K

Attachment Points for Mounting Ball

Sacrificial Zinc Anode

1/4"-20UNC Tripod Socket x3*
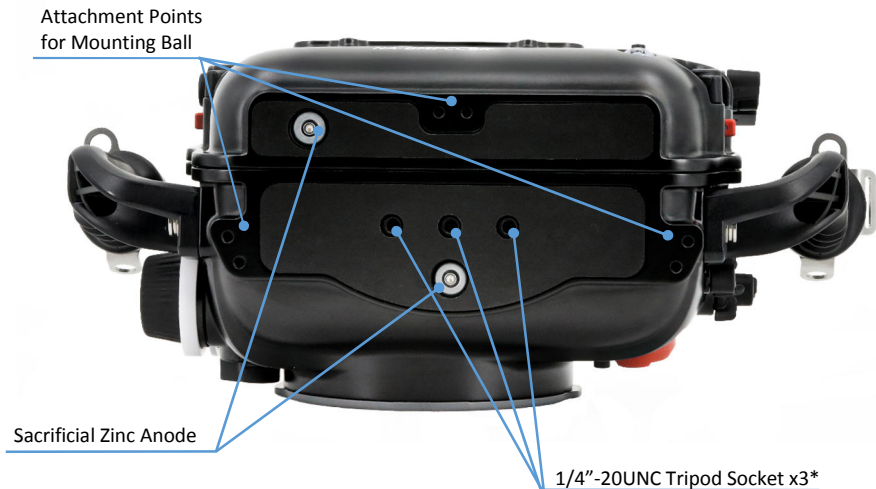
The maximum length of screws that can be used with the tripod sockets is 4mm.

OPENING AND LOCKING THE HOUSING

To open the housing:

Always open and close the housing with the front facing down, place the housing on a flat surface or in your lap.

The housing can be opened and closed by operating the two housing locks; when opening, press the safety buttons, then turn the locks outwards.

To lock the housing:

When closing, make sure there is nothing caught between the closing surfaces of the two halves of the housing.

To close, turn the locks towards the housing, and then make sure they are locked in place securely.

PREPARATION OF THE HOUSING

1. After verifying that the main O-ring is in good condition, lightly coat it with the lubricant provided.

2. Make sure the O-ring groove located in the front part of the housing is free from any foreign material; the groove can be cleaned with the aid of a microfiber cloth.

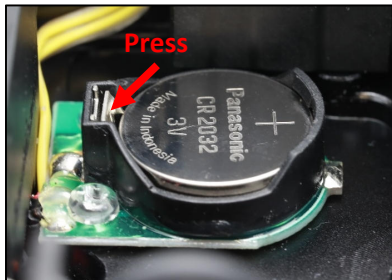3. Place the main O-ring into the groove, first at the corners, then the whole perimeter.
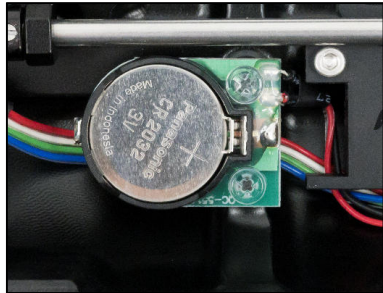
1. Ensure that remove an insulation film before install a battery.
   Then install the battery provided into the battery compartment on the circuit board inside the housing.
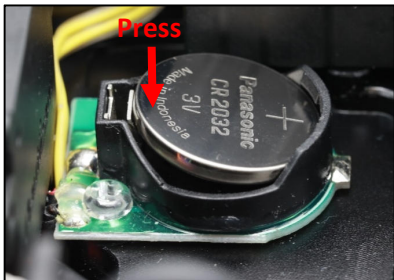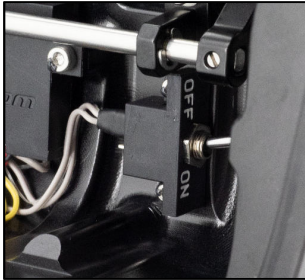
Insert the battery as shown above and then press down the battery.

To remove the battery, press the metal plate as indicated and the battery will pop out.

Use only recommended battery with this product

2. Switch the alarm on. The LED light will flash blue once and turn blue for five seconds indicating the battery is normal. Then it goes into flashing blue light standby mode.
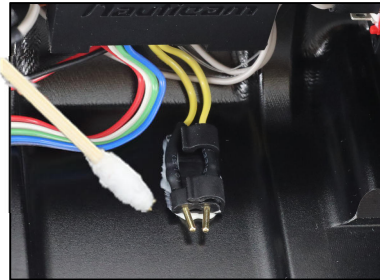
3. Test the alarm by connecting the two wires near the bottom of the housing with a damp cotton bud; the alarm should start giving out a repeating "beep" sound along with a flashing red light. The "beep" sound and the light should keep on going for 5 seconds after the removal of the damp cotton bud.

Vacuum valve:

Vacuum valve is pre-install to the housing for conducting a vacuum seal test. Please refer to the manual of the vacuum valve for details of the operation.

LED status identification:

On start up

LED indicator	*Status*
Flash "Blue" light once	Indicates a 2nd generation PCB
Steady "Blue" light	Battery is normal, goes into flashing "Blue" light standby mode after 5 seconds.
"Blue" and "Red" lights alternating	Battery low. Replace battery as soon as possible. Goes into standby mode after 5 seconds.
Steady "Red" light	Battery empty, replace battery.

After start up

LED indicator	Status
Flashing "Blue" light	Standby mode. The moisture alarm is active, and the system is ready for vacuum indication whenever a vacuum is detected.
Flashing "Red" light with beeping sound	Moisture is detected.
Flashing "Yellow" light	Some vacuum is detected, target vacuum level is not reached.
Steady "Green" light	Target vacuum level is reached.
Rapidly flash "Yellow" light	Vacuum is dropping. (Will occur only after target vacuum level is reached)
Rapidly flashing "Red" light	Vacuum is totally lost. Circuit stalled until switched off. (Will occur only after target vacuum level is reached)

INSTALLING THE CAMERA

To install the camera to the housing:
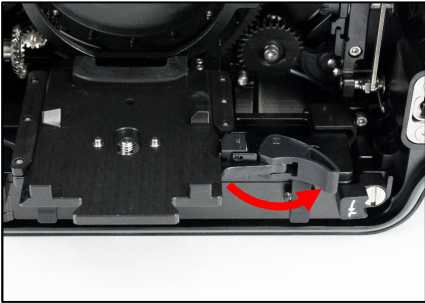
1. Turn the tray locking lever to 'open' position as shown. And remove the camera saddle from the housing by sliding it outwards.

2. Attach the saddle to the camera by tightening the screw to the tripod socket of the camera

3. If installing camera with lens and gear attached, turn the Zoom/Focus Knob Lock Lever downward to 'release' position as shown

4. Then slide the attached saddle along the rail in the housing to mount the camera
5. Lock the camera into place by turning the locking lever to the 'lock' position as shown. Confirm that all the controls of the housing are correctly engaged.

PREPARATION OF THE BATTERY CAGE

1. Turn the two locking levers outwards as shown.
2. Remove the battery holder from the housing by sliding it outwards.

3. To open the battery cage, release the two locks by pressing them down.

3. Install 4x 18650 Lithium batteries into the battery holder, make sure that the + and – signs match the symbols in the compartment.
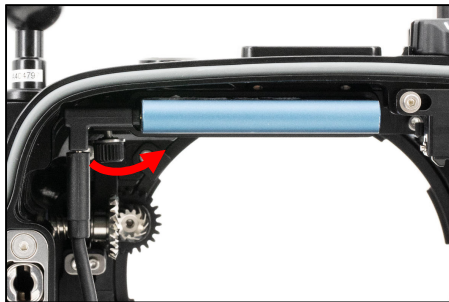

4. Place the battery cage inside the housing and secure the battery cage by turning the two locking levers as shown

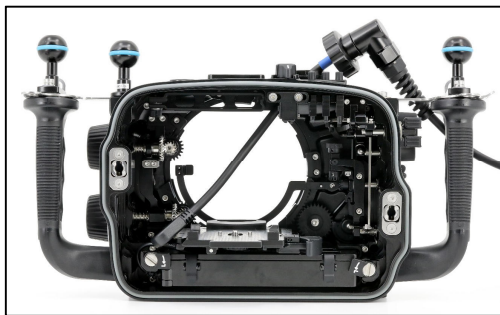## PREPARATION OF EXTERNAL DRIVE (SAMSUNG SSD T5)

1. Loosen the screw on the external drive holder.

2. Connect the Samsung SSD T5 with camera through USD3.1 Gen 2 type C to C cable (PN:36336) before placing it into the holder.

3. Secure the drive in position by tightening the screw.

CONNECTING WITH EXTERNAL MONITOR (HDMI 2.0 CABLE)

1. Unscrew the M28 accessory port cap by turning it anti-clockwise

2. Insert the HDMI 2.0 cable *(#25078 M28A1R225-M28A1R170)* through the M28 port

Remark: It's recommended to install the cable first before installing the camera.

3. Gently push the cable into the M28 port opening of the housing, until it cannot go in any further

4. Tighten the HDMI 2.0 cable by turning the threaded working ring clockwise

It is recommended to install lens and gear AFTER connecting HDMI 2.0 cable to the camera

5. Before locking the camera tray in, connect the HDMI 2.0 cable with the camera's HDMI port.

6. Connect the battery holder cable and USB-C cable to the camera's connectors accordingly as shown.

7. Lock the camera into place by turning the locking lever to the 'lock' position as shown. Confirm that all the controls of the housing are correctly engaged.

MOUNTING THE PORT

Please refer to the NAUTICAM system port chart for a range of compatible ports:

1. Remove the O-ring from the port, inspect for any damage and lightly coat it with the provided lubricant before placing it back into its groove.

2. Verify that the port opening of the housing is clean and free from foreign material.

3. Push the safety button of the port locking lever downwards as shown.

4. Turn the port locking lever to the release position as shown.

   Then lift housing cap.

5. Align the port mounting indicates of the port and the housing.
6. Gently push the port into the port opening of the housing, until it cannot go in any further.

7. Lock the port into place by turning the port locking lever to the inward position. To ensure that the port is securely mounted, confirm that the green line on the safety button of the port locking lever is visible.

RESETTING VACUUM SYSTEM

It is required to reset the vacuum system when the vacuum level is dropped from target level to totally lost. i.e. when opening the housing or changing port

To reset when changing port/lens:
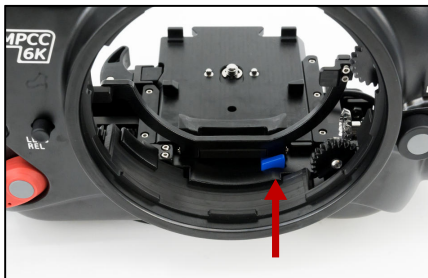
1. Release vacuum.

2. Remove the port and lens from the housing and camera.

3. Press the BLUE button once to reset the system. The LED light will turn blue for five seconds then it goes into flashing blue light standby mode.

4. Or go back to Mounting Port step to reset vacuum after dive

CARE AND MAINTENANCE

- Soak the housing system in fresh water after each salt water 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.

- 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 the main O-ring in the front part of the housing 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.

- Replace the main O-ring annually. It is recommended that you ship the housing to our distributor for a complete overhaul every year or after every 200 dives.

OPTIONAL ACCESSORIES

P.N. 28130
Hand Strap for 28113 Handles

P.N. 17916
Monitor Hood

P.N. 25218
Mounting Ball Set for Tripod

P.N. 36336
USB 3.1 Gen 2 Type C to C Cable
with Connectors
(To use with Samsung SSD T5)

P.N. 17959
Housing Mounting Ball with
1/4'' Screws

Recommended Monitor Housing Setups

HDMI Type	Monitor	Bulkhead	Step Down Adaptor	Cable
HDMI 1.4	17920 NA-502B-H Housing for SmallHD 502 Bright Monitor	25033 Standard HDMI Bulkhead with M16 thread *25033 is included in NA-058/502H/FHD5/502B-H monitor housing*	25080 M28-M16 Step Down Adaptor	25083 HDMI (D-A) 1.4 Cable in 240mm Length (for internal connection from HDMI bulkhead to camera)
HDMI 2.0	17922 Nauticam Atomos Ninja V Housing for Atomos Ninja V 5" 4Kp60 4:2:2 10-bit Reorder/Monitor/Player	25078 M28A1R225-M28A1R170 HDMI 2.0 Cable (for NA-BMPCCII/BMPCC6K/S1R/S1H to use with 17922/17909N)		

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