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▶▶ Introduction

Thank you for purchasing the waterproof case, This manual explains not only how to use the waterproof case but also some important precautions regarding its use. Please read this manual carefully before you use the waterproof case and retain it for future reference

Before you use the waterproof case, check whether it functions well and does not leak, Refer to *Preparing the Waterproof case* for details(P10)

we Shall not be liable for any consequential damages arising from corrupted or lost data due to mistaken operation or malfunction of the waterproof case, the camera , the battery pack or the memory card, that results in the failure of a movie or photo to be recorded

▶ Safety precautions

The precautions described below are for ensuring safe use of the waterproof case and for preventing yourself and others from danger and injury to , Thoroughly understand the details of this manual.

- While using the waterproof case underwater, pay close attention to your current situation at all times, Failure to do so may lead to accident
- In the event that the waterproof case breaks or leaks, remain calm according to usual safety conventions
- After you use the waterproof case, be sure to remove the camera, If you leave the waterproof case containing the camera in direct sunlight or in a high-temperature place, it may cause a fire or burst
- Do not use the waterproof case as personal flotation device (life preserver)
- Do not use the waterproof case at water depths exceeding 40 meters (130 ft.), This may cause an accident, present a burn hazard, or cause the case to leak
- When in the water, do not press the lever of the waterproof case with unnecessary force, This may warp the casing and cause leaks
- When cleaning the waterproof case, do not spray water at the waterproof seal under pressure, This may cause an accident, present a burn hazard, or cause the case to leak
- Do not disassemble or modify the waterproof case, This may cause an accident, present a burn hazard, or cause the case to leak

- Do not damage the waterproof seal. scratch its contact surfaces, or allow, hair, sand, dirt or other debris to accumulate between the waterproof seal and the case. This may cause an accident, present a burn hazard, or cause the case to leak
- Do not use the waterproof case in water at temperatures above 40°C (104°F), This may cause an accident, Present a burn hazard, or cause the case to leak
- Do not leave the waterproof case in direct sunlight, inside a car in warm weather, or near a heater, This may cause an accident, present a burn hazard, or cause the case to leak. Cover it with a towel, for example, if you have to leave it in the sun
- Do not subject the waterproof case to shocks. The lens window may shatter, which may lead to injury.

▶▶ Handling precautions

- 1> Avoid opening or closing the waterproof case near water. When you are installing the camera or changing the memory card or the batter pack, choose a place with low humidity well away from salty sea air
- 2> Only use the supplied silicone grease, Use of other waterproofing products may impair the strength of the waterproof case. If any other waterproofing product is mistakenly applied, wipe it off immediately
- 3> Before getting into or out of the water, handle the waterproof case carefully in order to prevent damage or loss
- 4> Avoid using the waterproof case for long periods of time under high temperature, The waterproof case interior will become hot, which can damage the camera, When using the case on hot, sunny days, do not leave the waterproof case in direct sunlight, and , turn off the camera regularly
- 5> Remove sand and debris from the spaces surrounding the buttons and zoom lever by rinsing them with water, Do not use the buttons or zoom lever while sand or debris is present
- 6> Battery life is reduced in low temperature , When you use the waterproof case in very cold places. keep it warm by putting it in a bag whenever you are not shooting, It is not advisable to use waterproof case in temperatures below the freezing point

7> Moving the waterproof case rapidly between high and low temperatures may cause condensation (water droplets) on its internal surfaces. If this occurs, stop using the camera immediately as the condensation occurs, wipe off the condensation from the waterproof case and the camera with a soft and dry cloth, and wait about two hours before resuming use.

▶▶ Package contents

Water proof camera case(one piece)

O-ring one(one piece)

Neck strip(one piece)

Hand strip(one piece)

User manual(one piece)

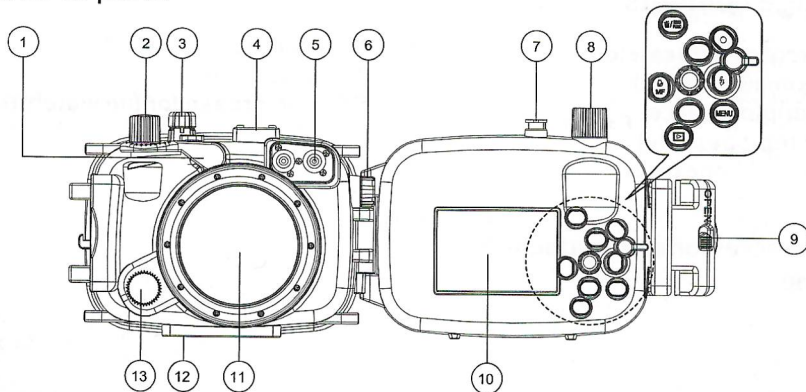
>>Optional accessories

- Waterproof seal

- Silicone grease for the waterproof seal

The above accessories are attached
to the case

Names of parts



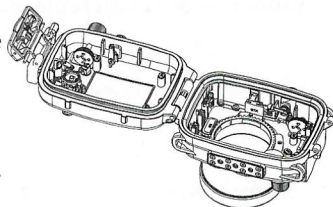
►► About water leakage

If the waterproof case leaks, stop using the camera immediately, Do not use it in this state under any circumstance, If you use the camera in this state, it may cause a fire, electric shock, or injury, Remove the battery pack and thoroughly wipe the waterproof case interior and the camera until they are dry

►► Notes regarding the waterproof case

Because the waterproof seal is designed to ensure that the waterproof case remains waterproof, it is important that you observe the following

- Perform a rolling motion with your fingertip to remove the waterproof seal from the waterproof case so you do not damage the seal, Do not dig your fingernails into it or use pointed or metallic objects to remove it
- Do not forcibly pull the waterproof seal. Forcibly pulling the seal may overstretch it, which may cause the waterproof case not to close properly, resulting in leaks
- While attaching the waterproof seal, do not forcibly twist or pull the seal, Extreme care should be taken to ensure the waterproof seal is level around the mounting groove. Please check to ensure that the waterproof seal is working



- Make sure you check the waterproof seal before use, Debris (e.g. hair, sand, lint or dirt) stuck to the waterproof seal may cause leaks, Even a single strand of hair or a tiny grain of sand aught in the seal can cause leaks
- Be careful not to use too much of the supplied grease ,using too much grease on the seal may cause leaks (about a droplet is sufficient)
- Use your fingers to apply grease to the seal. Do not use paper or cloth
- A damaged or cracked waterproof seal may cause leaks. You can purchase a new water proof seal or have it replaced for a fee, Please consult service center

►► Preparing the waterproof case

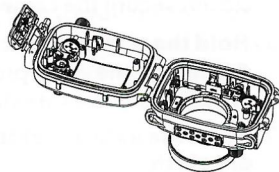
Before securing the camera in the waterproof case, check over the waterproof case to make sure there are no problems

1> **Check the waterproof case**

Make sure the exterior is not damaged and make sure the lens window is not dirty, If it is dirty, gently wipe it with a soft, dry cloth

2> **Remove the waterproof seal from the mounting groove**

perform a rolling motion with your fingertip to remove the seal. Do not dig your fingernails into it or use pointed or metallic objects to remove it



3> **Check the waterproof seal and mounting groove**

*Make sure there is no debris (e.g. hair, sand or dirt) attached to the seal or in the mounting groove

*To remove debris from the seal, put about a droplet of grease on your index finger, hold the seal between your index finger and thumb, and slide your fingers around the seal

*Make sure the seal is not cracked or damaged, If the seal is damaged

4> **Apply grease to the entire waterproof seal then attach the seal**

*Put about a droplet of grease on your index finger, hold the seal between your index finger and thumb, and slide your fingers, around the seal so the grease is applied evenly

*Do not to damage the seal when applying the grease

*Do not forcibly pull the seal when putting it in the mounting groove

5> **Close the waterproof case**

Do not secure the camera in the case before closing it

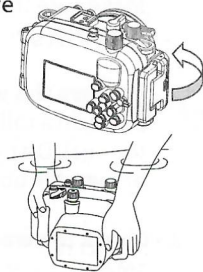
6> **Hold the waterproof case in water**

Submerge the waterproof case slowly in a tub filled with water and make sure there are no leaks

7> **Wipe the exterior of the waterproof case with a soft, dry cloth**

i NOTES

When using commercially available anticondensation products, the anticondensation solution should be applied only to the inside surface of the lens window using a soft, dry cloth, If the solution comes in contact with any other surface, wipe it off immediately as it could lead to deterioration of the waterproof case



►► Preparing for the camera

Set the camera's recording program to [underwater] to ensure your recordings have natural-looking colors with toned-down blues

Before using the camera underwater, make sure you save your important recordings in computer. See saving and sharing your recordings in the camera's instruction manual

1> Insert a memory card(if necessary) and attach a fully-charged battery pack

2> Remove the grip belt and the optional wrist or shoulder strap, if attached

3> Turn on the camera and change in advance the camera's settings as necessary

*Set the recording program to [underwater]. See special scene recording program in the camera's instruction manual

*Check that the image stabilizer is set to [Dynamic]. See advanced image stabilization in the camera's instruction manual

*Check that simultaneous recording is not turned off if you want to take photos with an aspect ratio of 16:9 while you record movies. See taking photos while recording movies (Simultaneous recording) in the camera's instruction manual

*Check that the wireless controller is not turned off if you want to access menus and settings while the camera is secured in the waterproof case. See [Wireless remote control] under the system setup menu in the camera's instruction manual

*If necessary, adjust the LCD's brightness, See Adjusting the position and brightness of the LCD screen in the camera's instruction manual

4> Turn off the camera

① NOTES

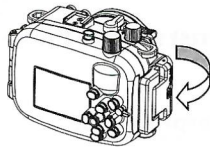
For important details about the camera's settings and restrictions while the recording program is set to [underwater] or [surface], see the Power/Others section of the specifications in the camera's instruction manual

▶▶ Installing the camera in the waterproof case

The camera must be installed in the waterproof case before recording underwater. Perform the following procedures to install the camera properly

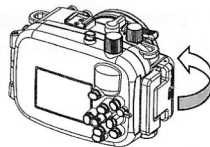
1> Open the waterproof case

- *Slide the lock release switch in the direction of the arrow
- *Release the catch
- *Open the case



2> Close the waterproof case

- *Fasten the catch
 - *Close the case securely
- make sure that the waterproof seal and its contact surfaces are free of debris (e.g. hair, sand or dirt), Even a single strand of hair or a tiny grain of sand caught in the seal can cause leaks



3> Make sure the buttons and zoom lever are operating correctly

*If they are not operated correctly, remove the camera from the waterproof case and secure the camera again

4> Attach the wrist strap to the waterproof case

Testing the waterproof case

Before recording, it is important to make sure the waterproof case is functioning correctly and does not leak. Hold the waterproof case in a tub filled with fresh water for 5 to 10 seconds. Remove the waterproof case and then hold it underwater again for 30 seconds to 1 minute. Finally, remove the waterproof case and hold it underwater again for 3 to 5 minutes, pressing the buttons and moving the zoom lever to check for leaks

▶▶ Recording movies and taking photos

After the camera is secured in the waterproof case, you are ready to start recording movies and taking photos

1> Turn on the camera

*Press " **POWER** "

*The ON/OFF(CHG) indicator on the camera will light up in green

2> Make a recording

*Press " **START/STOP** " to begin/end recording a movie or " **PHOTO** " to take a photo

*Use the wrist strap and hold the waterproof case with both hands



3> Turn off the camera

*Press " **POWER** "

*The "ON/OFF(CHG)" indicator on the camera will go out

Changing the camera's setting while it is secured in the waterproof case

While the camera is secured in the waterproof case, most settings can only be accessed using the camera's wireless controller. Make sure your hands are dry when you use the wireless controller

- 1> To switch between recording and playback mode:** Press and hold  on the wireless controller for more than 2 seconds
- 2> To switch the recording program between [Underwater] and [Surface]:** Turn on the camera while holding  pressed down

► Removing the camera

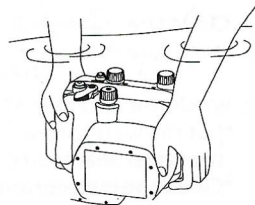
Make sure you have clean up the exterior of the waterproof case before removing the camera

1> Make sure the catch is securely closed

2> Wash the exterior of the waterproof case in fresh water

*Put the waterproof case in tub of fresh water (for example, tap water that is 30°C (86°F) or less)

*Clean the waterproof case by moving it back and forth up, down, left and right at least 10 times



3> Wipe the exterior of the waterproof case with a soft, dry cloth

4> Close the waterproof case and fasten the catch

5> Close the waterproof case and waterproof seal. as described on the next page

▶▶ Cleaning the waterproof case

Make sure you clean up the waterproof case and waterproof case and waterproof seal at your best efforts after use

1> Close the waterproof case

Make sure the catch is securely closed

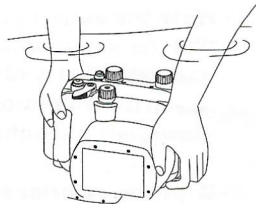
2> Wash the exterior of the waterproof case in fresh water

- *Put the waterproof case in tub of fresh water (for example, tap water that is 30°C (86°F) or less)

- *Clean the waterproof case by moving it back and forth up, down, left and right at least 10 times

- *Press the buttons, move the zoom lever, and remove any debris (e.g. hair, sand or dirt) on the exterior.

- >If the waterproof case was used in salt water, let it soak in fresh water for several hours to remove salt deposits. If salt deposits remain on the waterproof case. metallic parts may rust or buttons may become harder to press



3> Remove the waterproof case from the water

make sure no debris remains on the exterior

4>Clean the exterior of the waterproof case with a soft, dry cloth and open the case

5> Remove the waterproof seal and remove any debris on it, its contact surfaces, and the mounting groove

To remove debris from the seal. put about a droplet of grease on your index finger, hold the seal between your index finger and thumb. and slide your fingers around the seal. Use a cotton swab or similar item for the other surfaces

6> Wipe the interior and exterior of the waterproof case with a soft, dry cloth

Do not wash the interior with water and do not use cloth that may leave lint. Also, do not use cloth to wipe, the mounting groove or contact surfaces

7> keep the waterproof case dry in a shaded place

❗ IMPORTANT

Do not put the waterproof case under direct sunlight. This may cause discoloration of the case or the waterproof seal performance to degrade more quickly

▶▶ Checking the waterproof seal

Check the waterproof seal before use, after recording in a sandy environment or when you have not used the waterproof case for an extended period of time

1> Remove the waterproof seal and wipe off the grease

To wipe off the grease, hold the seal between your index finger and thumb, and slide your fingers around the seal

2> Check the waterproof seal

Make sure there are no cracks, scratches or deformities, Also, make sure there is no debris (e.g. hair, sand or dirt) on it

3> Check the mounting groove on the waterproof case

Make sure there is no debris in the mounting groove

Replacing the waterproof seal

We recommend that you replace the waterproof seal once a year to ensure the waterproof case performance of the case ,The waterproof seal can be replaced, please consult service center

► Storing the waterproof case

- Keep the waterproof case open when storing it, This will prevent the waterproof seal from deforming, thus ensuring that the waterproof case remains waterproof
- Do not store the waterproof case in hot, cold or humid place, or near substances such as naphthalene or insecticides
- Do not store the waterproof seal in a place in which it can accumulate dust or become scratched
- If you do not plan to use the waterproof case for over a month, remove the waterproof seal and wipe off the grease. To wipe off the grease, hold the seal between your index finger and thumb, and slide your fingers around the seal, Place it in a clean plastic bag and make sure weight is not placed on it during storage, Also, make sure it is not twisted when stored
- If using the waterproof seal after it has been in storage, make sure that it is not deformed, cracked or otherwise damaged, If it is damaged, do not use it under any circumstance

► Specifications

Maximum depth: 40m(130ft)

Waterproofing: waterproof seal

Main materials: PC,Clear plate glass.EPDM rubber,O-ring,etc

Filter diameter: 24-100mm

Dimensions: 160mm(L)*130mm(W)*115mm(H)

Weight: 550g

camera operating temperature:0°C-40°C(32° F-104° F)