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Your Ocean Images housing is designed to provide years of trouble-free service with minimum care. It is constructed of durable, corrosion resistant materials that are well suited for the marine environment. These instructions outline the procedures needed to operate and maintain your underwater video housing.

Dolphin Sony CX-100 Series Underwater Video Housing Instruction Manual & Maintenance Guide

Installing your camera in the Dolphin Sony CX-100 Series Housing

- Release the spring catches and remove the rear faceplate. Inspect the inside of the housing for dirt, especially the port. If any dirt is found, remove it, as it will certainly end up on the port lens. Clean the port lens if fingerprints or foreign matter is found. A common lens cleaner and soft cloth will work fine.
- Once you are satisfied that the inside is clean, you may prepare your camcorder for loading. Remove the lens cap and lens protector to insure enough space for the internal flip filter. Release the tray lock thumbscrew and slide the tray from the housing. Attach your camcorder to the tray using the appropriate hole that lines up with the camcorder tripod-mounting hole.
- Now you are ready to insert the camcorder into the housing. Plug the microprocessor cord into the A/V-R (LANC) jack on the side of the camcorder and then Carefully slide the camcorder into the housing by engaging the tray into the track of the housing, keeping the hand strap pulled back out of the way. Slide the camcorder all the way in and tighten the tray thumb screw just enough to keep tray from moving. **Once the camcorder is in place the screen of the camcorder can be opened which will power on the camcorder. The camcorder can be powered off with the push button electronic controls.**
- Before fastening the rear faceplate, be sure the o-ring seal is seated in it's groove and the o-ring and mating surfaces are clean. It is very important to inspect the condition of this seal and housing surface to be sure it is clean and in place. Failure to do so may result in a flooded housing and a damaged camcorder. **Ocean Images & Co., Inc. does not warrant your camcorder in the event of damage due to flooding.**
- A thin seal of silicone grease should be applied to lubricate the O-ring seal. Now, position the faceplate over the rear of the housing, put all the catches in the hooks then draw down the opposite catches together.

Your Dolphin Sony CX-100 Series Video System is now ready for use.

After the Dive

A thorough rinse in fresh water will help keep your equipment in good condition. Use clean fresh water. Most rinse tanks aboard charters are loaded with a percentage of seawater so make the final rinse in your own tank. Before removing the rear faceplate, wipe the housing dry with a towel. Do not let water droplets dry on the port; wipe them dry. The object is to avoid any water droplets from falling on the camcorder.

It is recommended when storing your housing, to install a spare O-ring and keep the O-ring that you use underwater in a zip-lock bag. Doing so will keep the O-ring from deforming and losing it's resiliency.

Like all photographic equipment, it is recommended that the housing and video light be shaded and not exposed to direct sunlight for any length of time. On a hot day, in direct sunlight, above water, it is possible for the temperature within the housing to become very hot – damage to your equipment may result. Shade the housing or keep it covered in the case until ready to use.

REMEMBER -- release the draw catches when you store the housing.



CX-100 Series Push Button Control System

The right side handle contains the push button control console. The push buttons turn on and off the various camcorder functions through the electronic control module. The electronic control module, located inside the housing, translates the signals from the push buttons to LANC protocol for the camcorder.

The camcorder is powered on when the side view screen is opened. It can then be powered down with the push button electronic controls.

Photo Memory - To store photos on the memory, press the **Photo** button. Slight vignetting may occur with your camcorder at the fullest wide-angle setting. This may be corrected by using ZT to zoom in a small amount from full wide-angle.

NOTE: Camcorder flash should be disabled when using inside the housing.

Video Recording--To record video press the **REC** button to start and stop recording.

ZOOM is controlled with the buttons labeled **ZT (Zoom Telephoto)** and **ZW (Zoom Wide)**. Press and hold either button until the desired amount of zoom is achieved.

NOTE: The optional wide angle lens/machined aluminum port is **NOT a full zoom through** wide angle and you will start to loose focus on the outer edges if you zoom too far.

The **ALT** button toggles between **normal** and **alternate** mode. In **ALT** mode functions shown on the labels above the buttons are active: **P-Off (power-off)**, **F/W (Fast wide zoom)**. The two bottom buttons always operate: **Rec (Record-On/Off)** and **Photo (Captures Photo and also serves as Power-On button)**. The red light on the control pack indicates the status -- "on" in the **ALT** mode, "off" in the normal mode. **Note:** The **ALT** mode changes settings and will stay activated until turned off (in **ALT** mode).

NOTE: Please refer to the owners manual of the CX-100 Series Camcorder for further information and instructions on how to access control of the above functions.

NOTE: Carrying the housing solely by the right side control handle is not recommended as it could cause the handle to become loose. The right side control handle is attached to the housing by 3 Phillips head screws and has an o-ring seal between the handle and the housing body. This handle should be checked periodically to be sure that it is tight. If there is any movement of the handle it can be tightened by turning the screws on the inside of the housing in a clock-wise direction.

Important: Opening the oil-filled push button control console will damage the console and void your warranty.

*Check for accessories & information on the Ocean Images website at
www.oceanimagesinc.com*