

Fantasea CP-4 Pro & CP-4 Sport Camera Housings For Nikon® Coolpix® 4300 & Coolpix® 885 Digital Cameras

General Introduction:

The *Fantasea CP-4 Pro & Sport* models are both designed for housing the Nikon Coolpix 4300 and 885 digital cameras. The housing is dedicated to these two cameras, which are physically identical, to insure the most compact design for easy handling and accurate access to camera functions through the critical placement of push-button controls on the housing. The only difference between the *Pro* and *Sport* models is the number of controls on each.

The *CP-4 Sport* housing provides access to the cameras' shutter release, zoom control, and quick review functions. This model is ideal for outdoor and underwater photographers who prefer to use the camera's automatic exposure features, while the *CP-4 Pro* accesses these same controls, it is also designed for those who prefer to make exposure settings manually through access to shutter speeds and apertures. The *Pro* also adds some additional function controls to assist photographers in the creative process.

Fantasea CP-4 Uses:

The Fantasea CP-4 Pro & CP-4 Sport housings are both designed as underwater/outdoor camera housings. Both models have a working depth of 130 feet/40 meters. Underwater photographers can dive or snorkel and capture all the excitement of this fascinating world, while outdoor photographers also have the option of capturing the action of such activities as white water and paddle sports, sailing and boating, surfing, fishing and hunting, backpacking and camping, and for family activities around the swimming pool or at the beach. The CP-4 will protect the Coolpix camera from water, sand, dust, and other damaging elements.

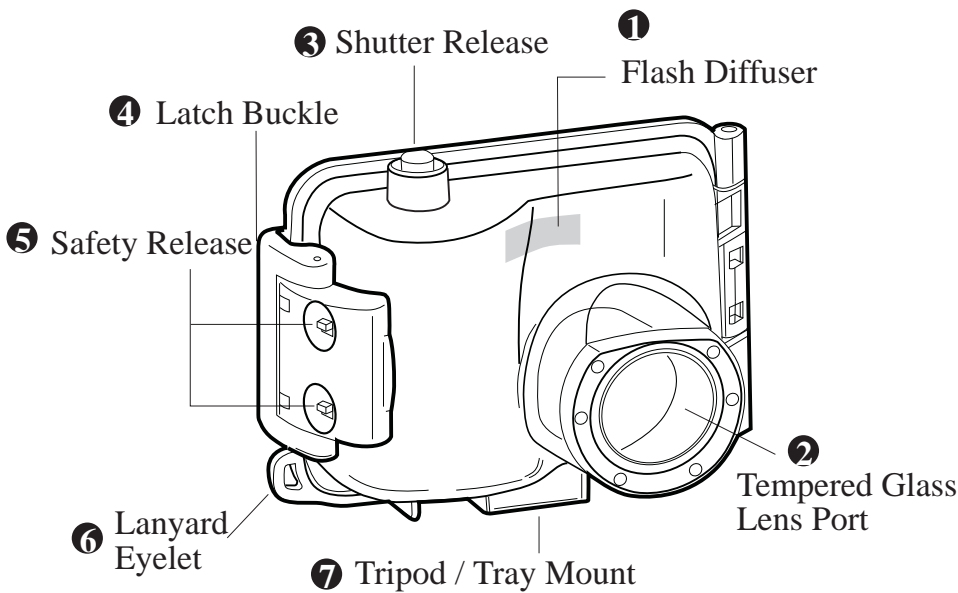
General Camera Description:

The Nikon Coolpix 4300 is a 4 megapixel camera and the Coolpix 885 is a 3.2 megapixel camera. With this resolution and the outstanding quality of other Nikon features, such as optical performance, you will be able to produce high quality images of the thrilling outdoor activities in which you participate. These cameras were selected

as the basis for the housing design due to the combination of image quality and consumer value. For specific features of each camera you should reference your camera's instruction manual or obtain product technical information from Nikon or their dealers.

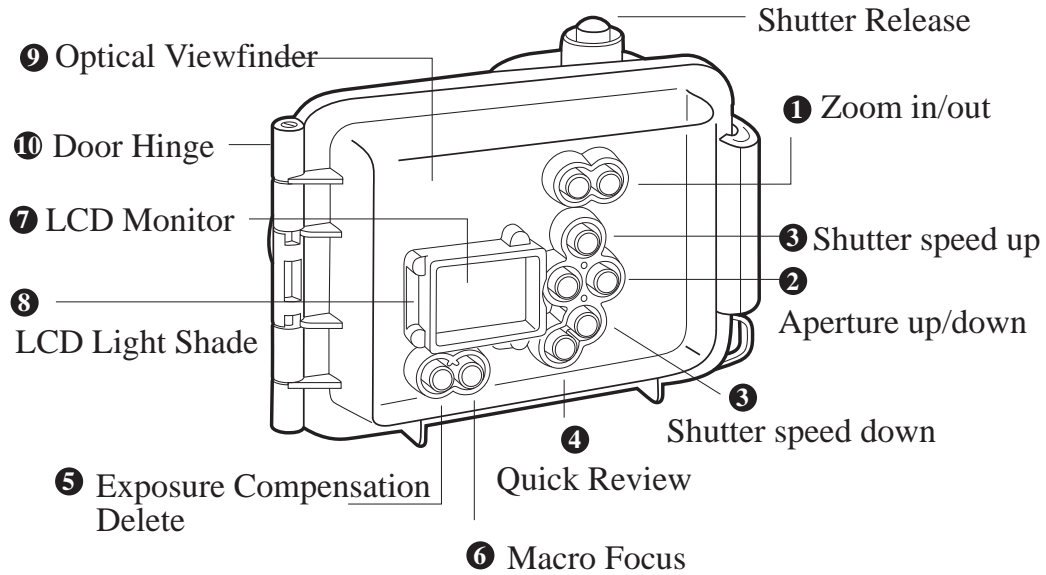
Housing Orientation & Nomenclature:

Front View:

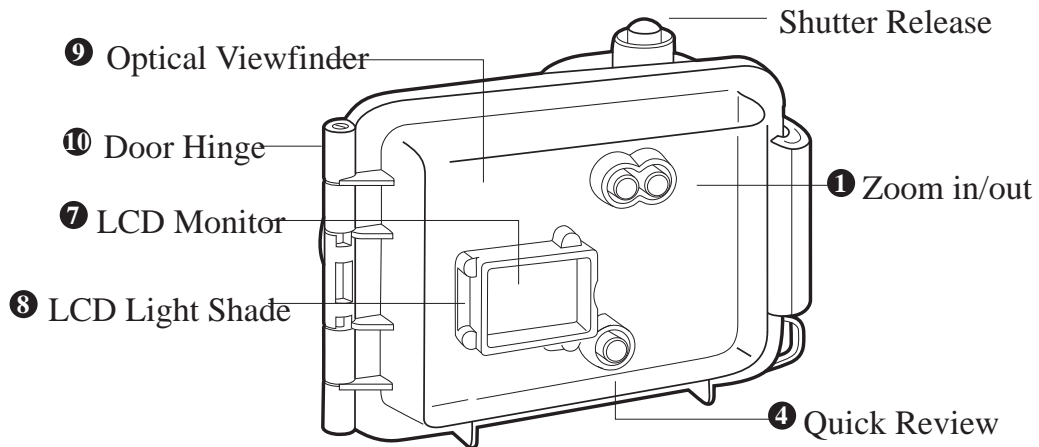


Rear View:

CP-4 Pro Model:



CP-4 Sport Model:



Using the CP-4 Housing:

Opening Housing:

Using two hands, pinch the Latching Buckle Release together to unlock the safety device. While holding the release in this position, pull the latch open in a front to back direction. The latch is hinged on the front half of the clamshell. Pulling the latch toward the rear of the housing, will unclip the latching buckle and allow it to swing free, for opening.

Inserting Camera:

Since the CP-4 is designed specifically for the Coolpix 4300 and 885 digital cameras, insertion is a simple matter of placing the camera in the housing. Make sure the camera lens is properly aligned with the port and that the camera is perfectly flat. There are no screws or mounts to worry about or any other alignments once the camera is properly inserted.

Note: It is necessary to make some camera settings prior to inserting into the housing. Please refer to the Coolpix owners manual for menu options and personal preferences to choose from, that are not accessible through the housing push-button controls. **Turn the camera on before inserting in housing.**

Checking the Gasket:

Each time the housing is opened, the gasket seal should be visually inspected. If there is any debris present, including dirt, sand, dust, excess grease or other matter, it must be cleaned to insure a proper water-tight seal. Cleaning the gasket is a simple matter of wiping it with a damp, soft cloth to remove any foreign matter. Be careful the cloth you use does not leave any of its own material behind as this can also affect the effectiveness of the gasket. If this occurs, be sure the surface of the housing is also clean and wiped free of any debris. The gasket should also be checked visually for any cracks or perforations. If any part of the gasket shows signs of wear or damage, it is imperative that it be changed before going into the water.

Closing the Housing:

Make sure the camera is flat and that the back door of the housing closes easily without interference. Once the door is closed, latch the buckle behind the ridge on the back half of the housing. (If the camera is not flat, the door will not lie closed, and the latching buckle will have a hard time catching the ridge on the back door. In this case, open the back door and reposition the camera until it is flat and the door closes correctly.) With the latch behind the ridge on the back door, push the latch buckle forward until it lies flat against the front half of the housing and the safety release snaps into place.

Test Dive:

It is recommended to make the first dive without the camera in the housing. This in order to make sure that there was no damage to the housing during transport or shipment. This is a good general rule for every periodic diving trip. Please note that the housing is extremely buoyant without the camera inside.

Viewing the Subject:

Underwater photographers and outdoor photographers will appreciate the large LCD viewing monitor for composing photographs. The LCD monitor will allow you to see your subject in sharp focus and framed properly. Hold the camera housing in your outstretched arm at a position that is both comfortable and also allows you to easily see the LCD monitor, for best compositional options.

Taking the Picture:

Once you have composed your scene or subject in the LCD monitor, depress the shutter release button to take the picture. A half depress will activate the live viewing ability of the LCD monitor, and a full depression of the button will take the picture. You may notice a pre-flash and slight delay in the shutter release. This is to allow the camera to make its final focus and exposure calculations before taking the picture. With a little practice, you will become use to this and taking pictures of moving subjects will become easier.

Image Files:

There are several image file options to choose from that offer different resolution and file sizes. This determination must be made prior to camera insertion from menu options. Please refer to the Coolpix instruction manual for details on setting these preferences.

Battery Life:

The rechargeable battery that comes with the Coolpix is very efficient and lasts for more than enough time for a typical photo dive. However, there are certain things that users can control to help with battery life. The most important is to set the camera to turn the LCD off after a set time, during periods of non-use. It can then automatically be turned back on if you depress the shutter release control half way. Please refer to the Coolpix instruction manual for details on how to make this adjustment setting.

Using Flash:

The Coolpix has a built-in flash, which will illuminate underwater subjects that are close. For subjects that are farther away, an accessory slave strobe is recommended. (See Below.) Due to the presence of suspended particles in the water, the use of the supplied flash diffuser is recommended. This is a static cling device that should be pressed against the inside of the housing, and in front of the camera's flash. It will widen and soften the light, providing more coverage and less likelihood of "backscatter", the unattractive "snowstorm" affect of the flash reflecting off the suspended particles.

Outdoor photographers do not have this same concern. There is no backscatter to be concerned about, and due to the ability of the flash to travel farther and more effectively in air as compared to in water, there is normally not a need for an accessory flash to provide proper illumination for most subjects.

Accessory Slave Strobes:

Using the Coolpix built-in flash as the master, you can trigger a second slave strobe to provide more artificial light when needed. To do this, you must use an accessory strobe that has a slave feature built in. The flash from the Coolpix must be "bounced" toward the accessory strobe's slave sensor, or other fiber optic sensor. This will trigger the slave to fire. Be sure to use a slave strobe that has the ability to ignore the built-in pre-flash, and synchronizes with the shutter release.

Lens Accessories:

The CP-4 is designed to work with some of the wide-angle and macro adapters that are currently on the market. For more information on these items, see your local photo dealer.

Shooting Techniques:

Exposure Modes: (Pre-set before camera insertion)

You can either choose the A mode on the camera in which ambient light and artificial light will be automatically controlled by the camera according to the lighting conditions. Or you can choose the M mode, and adjust shutter speeds and apertures manually for the maximum creative control. Please reference the Coolpix instruction manual for details on which camera controls are used for this purpose.

Other Controls: Please reference Coolpix instruction manual for details.

Shutter Speeds and Apertures: (Pro Model Only) Allows the photographer to adjust for more or less light in the manual exposure mode.

Zoom Control: (Pro & Sport Models) Zoom in for telephoto photos and larger subject size. Zoom out for wide-angle scenes.

Macro Focus: (Pro Model Only) For capturing the tiny and exotic subjects that require close focus.

Quick Review: (Pro & Sport Models) Immediate review of most recent images is available that will confirm that you captured the shot you want.

Image Delete Control: (Pro Model Only) If you want to delete unwanted images to make room for others, use the +/- button in conjunction with the UP & DOWN control buttons according to the menu options on the LCD monitor.

Exposure Compensation Control (+/-): (Pro Model Only). Used in combination with UP & DOWN buttons. This will allow you to control the overall brightness of the image in A auto exposure mode.

Care & Maintenance:

The CP-4 housing requires only a minimum amount of care for reliable performance. The following are tips that will enable you to get the best results.

1. Always soak your housing in fresh water for 20-30 minutes after every dive to dissolve the salt water crystals from around the controls and openings of the housing. Manipulate each of the movable controls to assist the removal of salt particles from these tight areas.

2. Allow the housing to dry thoroughly before packing away for the day or for the trip home. You may use a soft towel or cloth to dry the housing. Be sure there is no grease or other debris on the towel.
3. Visually check the condition of the gasket before every dive. If it is dirty, clean it with fresh water and dry it with a soft cloth as described above. If it is damaged in any way, such as cut or perforated, replace it immediately.
4. Use a small amount of lubrication grease to keep the gasket from drying out. Do not overuse grease.
5. Be careful not to get greasy fingerprints or dirt on the lens port. This will affect the image quality. Wipe any dirt or grease off with fresh water and a soft cloth.
6. Do not drop the housing on hard surfaces. It is not a shock absorber, and could crack, affecting its water-tight integrity. It could also cause damage to the camera inside.
7. Travel with the housing protected in a padded case. It is best to remove the camera from inside the housing when traveling and provide it with its own protective case, or compartment.
8. Never dive with the CP-4 housing to a depth greater than 130 feet/40meters
9. Give your CP-4 an annual tune up as you would any tool that gets rugged use. The Fantasea repair and maintenance facility will replace and lubricate all O-rings on all controls and the main gasket. Then the housing will be pressure tested to insure it is in good working order.

Flood Insurance:

Your CP-4 housing comes with a Flooding insurance application form supplied by 'Divers Equipment Insurance Program'. This policy once activated, is good for one year from purchase date of the housing. If your housing experiences water leakage during this time your camera and housing may be replaced according to the terms and conditions of the policy. Only a small shipping and handling charge will apply. After the first year you have the option to renew the program on your own and at your own expense.

All insurance policies must be activated by filling out the product registration form, included in the box, and sending it along with a photo copy of the bill of sale to Fantasea Products. These documents can also be faxed to expedite activation of the insurance policy. The policy will go into effect immediately upon receipt of completed documents.

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