

# CALYPSO/NIKKOR II



# The Fearless Amphibious 35 mm Camera



Calypso/Nikkor II is a fantastic amphibious 35mm camera by Nikon especially designed for underwater use and all-weather photography on land. The incredibly rugged body with protective treatments, the lens, and all joint sections of Calypso/Nikkor II are so effectively sealed that the camera is completely watertight, pressure-proof, fungus and corrosion resistant.

Thus, this self-contained camera, without any protective housing, can be taken down to depths of up to 160 feet (about 50 m) underwater and can be exposed to the most adverse weather conditions.

Calypso/Nikkor II gives top performance where no other camera would dare to go. Its trim, compact and lightweight design with nothing to impede your freedom of movement allows outstanding mobility underwater, and the large manipulating controls are designed and positioned for fast and easy operation. The Nikkor interchangeable lenses designed expressly for underwater use and the variety of practical accessories further enhance the versatility of the Calypso/Nikkor II.

All these advantages, combined with the famous Nikkor optics, ensure optimum picture results and make underwater and all-weather photography with Calypso/Nikkor II a routine assignment and a pleasure.

## Rugged Body Structure

The body of Calypso/Nikkor II is made of thick die-cast aluminum alloy, and together with its slightly rounded corners and edges, it provides utmost strength against water pressure.

The surface of the body is impregnated with plastic substance to seal all microscopic openings and blowholes in the aluminum alloy. This special treatment prevents water penetration into the metal which usually occurs when metals are subjected to extreme water pressure. All joint sections of Calypso/Nikkor II are completely sealed with eighteen "O" rings which give added protection as water pressure increases.

All exposed parts are given a thorough anti-corrosion plating, while all inner parts are anti-corrosion treated. All these special measures make Calypso/Nikkor II completely safe against moisture, water pressure, rust and salt-water corrosion, fungus, mildew and damp rot. Thus, Calypso/Nikkor II is immune to snow, sand, mud, dust and other particles that would be fatal to ordinary cameras without special housing.

In addition, the dual-body construction of Calypso/Nikkor II makes the camera extra rugged and enables it to withstand the most rigorous use.

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### Compact, Easy to Handle

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Calypso/Nikkor II is compact, lightweight and well-balanced to facilitate operation. Since it needs no cumbersome, awkward housing, it permits complete freedom of movement, and underwater photographers can move about quickly and freely to take pictures. And, when the camera is not in use, it can hang from the neck strap, leaving both hands free.

There is no shutter release button on the Calypso/Nikkor II as the shutter lever takes care of this function. The unique shutter lever performs the actions of film advancing, shutter cocking and releasing, and exposure counting. A single, short stroke advances the film and cocks the shutter. Then, a light push on the same lever releases the shutter. Two extra-large knobs, one on each side of the lens, control focus and aperture settings. Rotating the lens aperture knob automatically marks off the operative depth of field. The control knobs are knurled so that they can be easily manipulated underwater or in conditions where gloves and other hand protectors are used. The clearly marked scales on the camera are easy to read, even in water and in dim light. The body surface of Calypso/Nikkor II has a cross-ridged, nonslip covering for firmer gripping.

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### Jobs for Invulnerable Calypso/Nikkor II

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Armed against water pressure, water penetration and all ill-effects originating thereof, the Calypso/Nikkor II has the stuff to go into immediate action in any weather condition, anywhere: Take it for swimming, yachting, hunting, mountain climbing, skiing, etc.; take it into the silent world of underwater exploration or into the raging fury of violent storms; shoot a ski jump in subzero temperature or take it on a run through new powder snow; record a sand storm in the parched desert; or take it down a dusty coal mine, the Calypso/Nikkor II will always give you amazing results.

The Calypso/Nikkor II is the perfect professional companion for oceanographers, archeologists, on-the-spot press photographers and photojournalists, medical researchers and laboratory technicians, industrial photographers, anyone who takes pictures under adverse conditions.



# How to Operate The CALYPSO/NIKKOR II

To remove the lens grip firmly and pull forward slightly. Then, turn 90° in either direction and pull out.



Position the end of both hook levers under the ledges of the camera ends and press down simultaneously to pry up the inner camera body evenly.



Lift up the film pressure plate, place the film cartridge in position and insert the film end into the take-up spool. Then, replace the film pressure plate.



Replace the inner body into the outer housing while pressing the pressure plate down.



Attach the lens, with the focusing knob on top, to the camera body. Then, turn it 90° clockwise and push in slightly.



Squeeze the shutter lever all the way until it stops.



Set the shutter speed. Set the aperture by rotating the aperture control knob. Then, perform focusing by rotating the focusing knob.



Shutter release is made by a further inward squeeze of the lever.

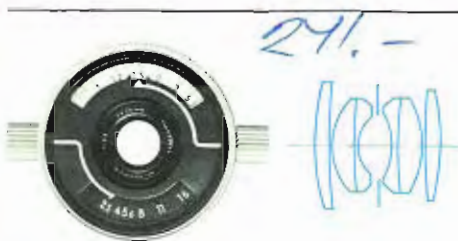
# Underwater Nikkor Interchangeable Lenses

Calypso/Nikkor was the first to offer interchangeable Nikkor lenses which were specially designed for underwater 35mm photography. There are 3 Nikkor interchangeable lenses; normal, wideangle and telephoto lenses, that can be used with the Calypso/Nikkor II. These lenses have been specially designed for underwater use but they, with the exception of 28 mm f/3.5 UW-Nikkor, can also be used on land. A glass of 3/16" (5 mm) in thickness is fitted in front of the lens elements to make these lenses watertight.

The 35 mm f/2.5 W-Nikkor supplied as standard equipment is a high-definition normal lens (with 46.5° picture angle in water) which can be used both in water and on land. On land, it covers a wide viewfield of 62° and together with its great depth of field is very convenient for taking snapshots. The closest focusing distance is 2.75 ft (0.8 m).

The 28 mm f/3.5 UW-Nikkor is a wideangle lens but is designed with all corrections made for underwater photography only. It has a viewfield of 59°, with the closest focusing distance of 2 ft (0.6 m) and provides a greater depth of field.

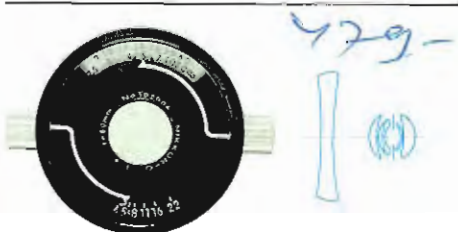
The 80 mm f/4 has a viewfield of 22° in water (30°20' on land) with closest focusing distance of 3.5 ft (1 m). This lens adds telephoto capability to Calypso/Nikkor II in water as well as on land.



W-Nikkor 35 mm f/2.5



UW-Nikkor 28 mm f/3.5



Nikkor 80 mm f/4



# What Each Operating Control Does

## 1. Shutter Speed Selector Knob

Six settings: B, 1/30, 1/60, 1/125, 1/250 and 1/500 sec. Easy to set, either before or after shutter cocking. The R mark is set to the index for film rewinding.

## 2. Shutter Lever

## 3. Safety Lock

Prevents accidental exposure.

## 4. Luminous-Frame Viewfinder

Built-in, optical finder (for land) shows subject area covered by 35 mm lens outlined in a bright frame, with parallax-correcting markers for the closest focusing distance.

## 5. Film Rewind Crank

Unfolds for easy and fast film rewinding.

## 6. Lens Aperture Control Knob

Rotating this knob moves the aperture scale to a desired f-stop, and at the same time, automatically operates the depth of field indicator.

## 7. Aperture Scale

Click-stops down to f/22.

## 8. Focusing Knob

Rotating this knob moves distance scale to indicate the distance of subject focused.

## 9. Distance Scale

Calibrated in both feet and meters.

## 10. Automatic Depth of Field Indicator

A unique feature found only on this camera. This device coupled to lens aperture control automatically shows, between two red indicators, the operative depth of field for selected f-stop.

## 11. Hook Lever

Holds neck strap and is also used to pry open the inner body from outer housing.

## 12. Auto-Reset Exposure Counter

Registers exposed number of frames up to 36 exposures and automatically reverts to 0 when the inner body is taken out.

## 13. Tripod Socket

The removable filler serves as a tripod socket. Underneath this filler is a synchronization terminal (FP and X) for both land and underwater flash units.

## 14. Accessory Shoe

Provided for attaching underwater viewfinders and other accessories.

Dimensions (Without lens):

Width 1.9" ( 47 mm)

Length 5.1" (129 mm)

Height 3.9" ( 99 mm)

Weight (With 35 mm f/2.5 lens):

Approx. 1.5 lbs (680g) on land and 8.8 oz (250 g) in water.



# Accessories

## 1. Underwater Viewfinders

Two types of sports finders are available: One for the 28 mm f/3.5 UW-Nikkor, and the other commonly used for the 35 mm f/2.5 W-Nikkor and 80 mm f/4 Nikkor.

## 2. Supplementary Finder for 80 mm f/4 Nikkor

An Albada type finder is available for the 80 mm f/4 Nikkor when used on land.

## 3. Underwater Flash Unit

Waterproof and robustly constructed for underwater use. Provided with a bulb ejector. Accepts bayonet-base flashbulbs, and an AG-Bulb Adapter permits use of AG type flash bulbs.

## 4. Flash Unit Adapter

Permits use of a BC flash unit and electronic flash unit on land. Fits in place of the tripod socket filler.

## 5. Close-Up Outfit

Consists of a Close-Up Attachment Lens (has a fixed focused distance and used in common with all 3 lenses), 3 Field Frames (one specific frame for each lens) and a Bracket to support the field frame. This outfit allows taking close-ups in water and on land. With the 35 mm f/2.5 lens, it gives a reproduction ratio of 1/6.5 on land (1/4.5 in water). Supplied with a compartment case.

## 6. Screw-in Type Lens Hood

For 35 mm and 80 mm Nikkor lenses. Also serves as a holder for the 52 mm screw-

in type filter.

## 7. Rubber Lens Protector

Protects the 35 mm f/2.5 W-Nikkor in water and also serves as a lens hood.

## 8. Plastic Lens Protector

Protects all three Nikkor lenses for the Calypso/Nikkor II during underwater usage.

## 9. Filters

A wide range of Nikkor 52 mm screw-in filters, attachable to the screw-in type lens hood, can be used on both 35 mm and 80 mm lenses.

## 10. Semi-soft Leather Camera Case

Water-repellent and treated to resist mildew and fungus. Provided with noncorroding zipper.

## 11. Lens Leather Cases

Two types of lens leather cases are available: One that accepts either the 35 mm f/2.5 or 28 mm f/3.5 lens, and the other for the 80 mm f/4 lens.

## 12. Underwater Exposure Meter Case

Watertight case designed exclusively for underwater use of the "Sekonic" Auto-Lumi Model L-86.





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