

The NA-7DMKII Housing

It is clearly true that the NA-7DMKII is an improvement over the original NA-7D housing, but Nauticam has come so astonishingly far in the last 5 years that this really is not a useful comparison.

The NA-7D was an important housing for Nauticam, but Nauticam SLR housings have advanced considerably. Take for example the housing latches. The NA-7D was the last Nauticam housing to use the "old school" stainless steel buckle style latches. The NA-7DMKII takes advantage of the simple yet secure locking latches that have since become famous. These latches are more secure, effortless to close, and eliminate the knuckle busting snap of the old buckles. The NA-7DMKII represents the ideal example of current Nauticam housing design.

Nauticam's patented Port Locking Lever is as simple to operate as ever, enabling easy port changes without twisting or excessive force. A vacuum reset button inside the port mount also allows the vacuum system to be quickly reset from the port mount making quick lens changes a snap. These touches further reduce the stress of proper gear preparation and allow more time for diving.

Added to these now standard features are ergonomic refinements that further enhance the imaging experience for both still photo and motion imaging enthusiasts. A new dual function lever under the right handle brings ISO and M Fn (used for AF area pattern) out to the fingertips of the user. Nauticam's signature multi selector pad, found on the Nikon line and NA-70D, provides easy access to all 65 focus points and the ability to move on the diagonals without stair stepping. All of the core functions needed to operate the camera are at the users fingertips, and available by feel.

The NA-7DMKII is the most refined Nauticam SLR housing to date. Every camera function is made easier by careful thought and design, aided by input from photographers who will actually use this camera. The housing borrows the best from recent housings like the NA-D810 and the NA-5DMKIII, and incorporates new enhancements to key exposure controls for both video and still photo users.

New to the Nauticam housings for Canon SLR's, the NA-7DMKII will feature a lever to activate or deactivate the camera's popup flash. While this task can be accomplished in the Canon menus, it is easier and faster to disable or enable flash with this lever.

The APS-C Advantage

What is it about the APS-C sensor size that makes it so ideal for underwater photographer, especially as compared to the 36x24mm full

frame sensors? Simply put, it's lenses.

First, for macro, the APS-C yields more "reach" with a given macro lens, and more choices; in particular the Canon EF-S 60mm macro which does not work on Canon's full frame cameras. The fully kitted macro shooter with the 7DII might have 3 macro lenses, the aforementioned 60mm, the Canon 100mm f/2.8 IS L macro, and the Sigma 150mm f/2.8 macro. That is an impressive choice in macro lenses and, by adding a close-up converter lens like the Nauticam Super Macro Converter (SMC), covers the entire spectrum of the macro world, from fish portraiture to the tiny world of super macro.

For fisheye wide angle lenses, APS-C again offers advantages, specifically two of the best and most versatile wide angle lenses available for use underwater. The Tokina 10-17mm is a favorite among underwater photographers, and for good reason. When used on an APS-C camera, this a super-wide 180° fisheye at 10mm, but when zoomed to 17mm the fisheye distortion is greatly reduced and the lens becomes excellent for close-focus-wide-angle or more distant subjects with a 110° fov. The Canon 8-15, used with its APS-C range of 10-15mm, is very similar in its versatility and produces even sharper images with less aberration.

For rectilinear wide angle, again, the APS-C sensor provides an advantage, this time due to dome port optics. As full frame shooters are aware, it can be a challenge to get sharp corners when using a wide angle rectilinear lens like the Canon 16-35mm. For APS-C, Canon offers the much less expensive 10-22mm and 10-18mm lenses. When these are used with a large dome like the Nauticam 8.5" acrylic dome or the Nauticam 230mm glass dome it is considerably easier to get sharp images, especially in the corners.

Canon 7D Mk II Key Features

20 Megapixel APS-C CMOS Sensor with Dual Pixel AF Technology

10 fps continuous shooting with autofocus

65 point autofocus, all cross type sensors

150,000 RGB + IR pixel metering sensor

Dual Digic 6 processors

Enhanced environmental sealing

Dual memory card slots, one CF and one SD

Built in GPS

Larger capacity LP-E6N Battery

1920 x 1080 High Definition Video at up to 60 fps

Clean 4:2:2 Video Over HDMI for use with external recorders

NA-7DMKII Feature Checklist

Unsurpassed build quality, designed by an award winning engineering team, and produced utilizing the most modern manufacturing technology available

Ergonomically placed controls with size, shape, and color differentiation

Access to all key camera controls

All controls clearly labeled

Patented two stage shutter release system, allowing precise feel over half press and full press

Patented Port Locking System

Patent pending Multi Controller pad

Lens release button

Easy to operate locking housing latches

Rubberized ergonomic grips

Quick release camera mounting plate

Optical strobe connectors for fiber optic flash triggering

Dual M16 accessory holes for electrical bulkhead, HDMI, hydrophone, or vacuum valve installation

Single M16 accessory hole for vacuum valve installation

Integrated vacuum monitoring and leak detection circuit (valve optional)

Vacuum reset button in port mount for quick lens changes

Dual 1" (25mm) strobe mounting balls included as standard equipment

1/4-20 tripod mounting holes

Dual 10mm threaded accessory mounting points

.66x optical glass pickup finder (magnifying 180 and 45 viewfinders available optionally)

100m Depth Rating

Integrated Vacuum Check and Leak Detection System

The Nauticam vacuum check and leak detection system is available with NA-7DMKII as standard equipment. Combined with an optional vacuum valve, this monitoring system provides constant updates on the water tight and safe to dive status of the housing. A simple coded LED lighting system lets the user know that the vacuum is solid, or that the housing is losing vacuum. Leak detection is built into the same circuit, so if there is water intrusion, an audible and visual indication will occur. The NA-7DMKII ships with a 3rd bulkhead port specifically for installing optional vacuum valves, leaving the user two other bulkhead ports for HDMI, sync cables and other accessories.

Viewfinders

Precision requires vision: A high-resolution camera like the Canon 7D MkII demands perfect focus for optimal results. Fortunately, Nauticam has developed the user-friendliest interchangeable viewfinders available.

The standard optical glass viewfinder is very good and travel friendly, but many photographers prefer the ease of a magnified viewfinder with adjustable diopter. Nauticam produces a “straight” 180° enlarging viewfinder and a 45° angled enlarging viewfinder to enhance the ease of close quarters work often associated with macro shooting. Both viewfinders have high quality optics, and allow bright viewing of the entire image. A patented external dioptic adjustment allows personal adjustment to a sharp-as-a-tack standard underwater and viewfinder changes can be executed in less than 30 seconds without using tools. Exceptional composition and focus accuracy have never been more accessible.

Recommended Accessories

- 180° Enhancing Viewfinder (32201)
- 45° Enhancing Viewfinder (32203)
- Patent Pending Super Macro Converter (81201), providing 2.3:1 reproduction ratio with the popular 100mm Macro Lenses, and 1.7:1 reproduction with Canon EF-S 60mm Macro
- Vacuum Valve (25612)
- Complete line of flat and dome ports for all major lenses, available in acrylic and glass
- Locking port extension rings from 10mm to 90mm
- Monitor/Recorder Housing for Atomos Ninja2 (17902)
- Monitor Housing for SmallHD DP4 Monitor (17901)
- Fiber optic cables for Inon (26211) and Sea&Sea (26212)
- Full line of mounting accessories for lighting, including mount balls, strobe adapters, arms, clamps, and specialty items
- Multiple styles of lanyards
- Lens holders, including flip-up
- Focus and Zoom gears for many Canon, Tokina, and Sigma lenses
- Port Adapters for Aquatica, Ikelite, Inon, Nexus M5 & M6, Sea & Sea NX, Seacam, Subal Version 3 & 4, and Zillion
- Handle accessories including smaller handles, handle extensions for cold water diving
- Optical Flash Trigger for continuous shooting without reliance on electrical cables.

Details and Specifications

Depth Rating: 100m

Weight: 2.90 kg (with handles mounted)

Dimensions (with handles mounted): 353 (W) x 191(H) x 124(D)

Model Number: 17319

Shipping: November 27, 2014