

New Products

Nauticam Mid-range Focus Optimizer 3 (MFO-3)



Nauticam once again demonstrates its commitment to underwater photographers with the introduction of the Mid-range Focus Optimizer 3 (MFO-3). As full-frame mirrorless cameras become the go-to choice for serious underwater imaging, a key limitation has emerged: the lack of close-focusing, wide-angle macro lens options—especially for blackwater photography. The MFO-3 is designed to solve that problem without requiring new camera lenses or ports.

Optimized for use with longer focal length full-frame macro lenses (such as 90mm, 100mm, and 105mm), the MFO-3 transforms these lenses into an approximate 60mm equivalent. It also delivers significantly enhanced “focus-to-the-glass” performance while still

offering ample working distance when needed. Whether you’re capturing thumbnail-sized nudibranchs or grapefruit-sized frogfish, this water-contact optic delivers outstanding image quality—without the need to swap out your camera lens or port.

While it’s an outstanding tool for blackwater, the MFO-3 is just as capable in a wide range of macro environments. And despite its larger physical size, it actually boasts a lower in-water weight than the SMC-3, making it easier to handle and balance in the water.

www.nauticam.com

Isotta Smartphone housing



- Red and Black colored anodized aluminum body;
- Designed to attach up to 3 spheres;
- Bluetooth connection;
- Compatible with any phone model currently on the market;
- Ergonomic for horizontal or vertical use; perfect for Instagram shots;
- Prepared to attach an adjustable mount for additional lenses;
- Joystick for cursor control;
- Dedicated button for shooting, ok and back;
- No app needs for basic function;
- 1 USB-C socket for charging the housing’s battery (charger not included);
- 1 USB-C socket to use the housing’s battery as powerbank for the phone (cable not included);

- 1 rechargeable 21700 battery (not included);
- Double O-Ring seals on the removable parts;
- Back housing completely detachable from the front housing;
- Single-hand closing knob;
- Prepared for ISOTTA vacuum system (not included);
- Moisture sensor with LED indicator;
- Working depth: 100 meters;
- Sizes (LxHxP): 113/176 mm x 80 mm x 235 mm;
- Air weight: about 1 Kg without the phone;
- Water weight: about 300 gr without the phone.

www.isotecnic.it

www.uwpmag.com

AVAILABLE NOW



Nauticam 7" G7

UW ULTRAHD Monitor
(HDMI 1.4 / 2K SDI input, excl. cables)
#16611



MFO-3

Mid-range
Focus Optimizer 3
#81503



·Exceptional Brightness &
Clarity 3000 nit

·Advanced Image Control Tools
·Swivel and Tilt Adjustable Monitor
Mount System

Nauticam 7" T7

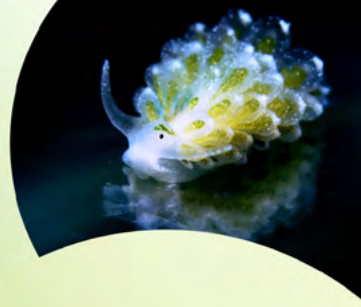
UW ULTRAHD Monitor
(HDMI 1.4 input, excl. cables)
#16612



NA-Z5II

Housing for Nikon
Z5II Camera
#17232

Nauticam
innovation underwater



200DLM/A housing for OM System OM-5, OM-5 II, and Olympus OM-D E-M5 III Mirrorless Cameras

The 200DLM/A Underwater Housing is the perfect companion allowing use of the OM System OM-5, OM-5 II and Olympus OM-D E-M5 Mark III mirrorless micro four-thirds cameras in or around the water for scuba, snorkeling, surf, pool, or any adventure.

A compatible lens port is required for waterproof operation (sold separately). Choose the



correct port components on the lens
you will be shooting.
\$ 1,095.00

www.ikelite.com

SeaFrogs for Fujifilm X-S20

SeaFrogs for Fujifilm X-S20 40M/130FT Underwater camera housing with optical glass 4-inch flat port for Fujinon XF18-55mm lens with zoom gear included.

The Sea Frogs Housing for the Fujifilm X-S20 camera, equipped with a 4" flat glass port, is designed to accommodate the XF 18-55mm lens. It enables full functionality across the entire zoom range from 18mm to 55mm without any limitations.

This model of underwater camera housing doesn't support a pistol grip accessory!

All functions are accessible except Aperture control of the lens



and Focus stick (Focus lever)

Compatible lenses : Fujifilm XF
18-55mm F2.8-4 R LM OIS (Autofocus
only, Manual zoom gear included)

www.saltedlineurope.com

www.uwpmag.com

BACKSCATTER MINI FLASH 2



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MACRO
STROBE
FOR
ANY
CAMERA



Nauticam NA-a1II Housing for both the Sony a1II and Sony a9III mirrorless cameras



Introducing the Nauticam NA-a1II Housing for both the Sony a1II and Sony a9III mirrorless cameras. Sony's a1II and a9III cameras cover every shooter's needs whether it's high-resolution or low-light photography or 8K video. With both cameras sharing a common body design, Nauticam is able to offer one housing that accommodates both models allowing for a complete underwater imaging toolbox on every trip.

The a1 II and a9 III share a body which makes the NA-a1ii housing possible without any adapters, modifications or loss of features. Both cameras also share the incredible 9.4M-dot electronic viewfinder from the A7RV.

The NA-a1II Housing is based on the Nauticam NA-a9III housing and can accommodate both the Sony a1II and a9III camera bodies with

no adapters or modifications. This truly makes this housing one of the ultimate underwater imaging tools able to capture high resolution as well as low-light stills and high resolution, low-noise and high-framerate video.

The driving force behind Nauticam housings is to place controls where they should be, within easy reach of the ergonomic handles for an intuitive and smooth underwater filming experience. The NA-a1II features a dual action thumb lever on near the right handle that actuates the 'AF-ON' and 'REC' buttons. Near the left handle is a thumb lever for 'PLAYBACK'. The shutter release, main and sub command dials are also all within easy reach without taking your hands off the handles.

www.nauticam.com

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Q1i

ULTRA COMPACT STROBE

COMPATIBLE WITH
OM-SYSTEM/OLYMPUS RC
& SONY TTL



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90g UNDERWATER
TTL, HSS, MANUAL
700lm PILOT



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Issue 146/16



Compact cameras are some of the best options for shooting underwater. They are typically easy to learn, travel-friendly, and less expensive than their SLR counterparts, while still delivering outstanding image results.

Traditional compact cameras were once characterized by their smaller sensors and fixed, non-interchangeable lenses. For many years, these cameras were the main solution for pocket-sized image-making. However, with the continuous improvement of smartphone cameras, the compact camera market has slowed significantly. Most manufacturers have shifted their focus to interchangeable lens mirrorless cameras, and new compact camera releases are increasingly rare.

Compact mirrorless cameras have largely taken over the entry-level

niche formerly held by traditional fixed-lens compact cameras. These cameras have the same lower price point and small size of traditional compacts but feature larger sensors, better image quality, rapid-fire triggering, and the ability to use interchangeable lenses.

Backscatter compiles this guide annually to eliminate the stress of selecting the best compact camera and underwater housing for your photo and video needs. Whether you're a beginner in underwater photography or an experienced image maker seeking the latest compact rig, this roundup of the best current compact cameras for underwater photography is your ultimate resource to find the perfect underwater setup.

www.backscatter.com

BACKSCATTER **FLIP** UNDERWATER GOPRO FILTERS

NO FILTER



WITH FLIP



gopro 5 gopro 6 gopro 7 gopro 8 gopro 9 gopro 10 gopro 11 gopro 12

www.uwpmag.com

BACKSCATTER

THE BEST BANG FOR YOUR BUCK



OLYMPUS E-M10 IV



Issue 146/17

Marelux MX-Z8 Housing for Nikon Z8



Marelux housing has the industry leading design that's not only more compact than other brands but also more simplified in mechanical structure to make it easy to assemble. With 125mm port diameter, the biggest in the market, users can easily install and uninstall cameras with large lens through the housing.

Marelux housing can be connected to other innovative products made by Marelux, such as SNAP (Smart Nautical Application Platform), Smart View Finder etc., making diving and underwater photography easier, safer and more enjoyable.

Depth Rating : 100m

Estimated 21 days shipping

www.nemophoto.co.uk

GoPro Max 360



Ultra Versatile 360 Video: By capturing 5.6K30 spherical video, MAX gives you the freedom to stay in the moment and still get amazing footage. There's no need to frame the shot. Just hit the shutter button to start recording. MAX captures everything. Get immersive POV footage of a mountain bike run and shots of you riding from the same video. Slow things down with 3K60 video to capture 2x slo-mo footage of your kids jumping in the pool and everyone's reaction at poolside as they get hit with the splash. The GoPro Quik app makes it easy to reframe your footage from any perspective so that you can tell your story any way you'd like.

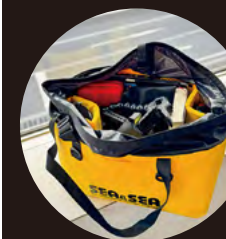
www.gopro.com



YELLOW SUB MEGA TOTE

Complete Housing Set Fully Organized

WATER PROOF



SEA&SEA
THE UNDERWATER IMAGING COMPANY

<https://www.seaandsea.jp>

www.uwpmag.com



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NAUTICAM MFO-3 MID-RANGE FOCUS OPTIMIZER 3

The Nauticam MFO-3 is the ultimate wetlens for capturing the tiniest underwater life in stunning detail. Built for longer focal length full-frame macro lenses (90mm, 100mm, and 105mm) it turns them into an effective 60mm equivalent. With a peak magnification of 0.9x and an impressive working distance of up to 1500mm, it sacrifices extreme magnification for flexibility. Compact, robust, and precise, the MFO-3 lets you achieve razor-sharp results on tiny critters and intricate coral



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©Filip Staes



Hands On With Reef: Nauticam NA-R5II and Canon R5 MkII

The Canon R5II camera and Nauticam NA-R5II housing combo is an absolute powerhouse for underwater imaging that's loaded with a whole variety of features to enhance any underwater shooters experience.

This comprehensive first look video will cover all of those features and demonstrate some of the benefits for shooting with this equipment underwater.

If you're upgrading to the Canon EOS R5II, this housing gives you full access to its high-end video and still capabilities — whether you're filming



reef documentaries, photographing marine life, or shooting fast-action in low light. The NA-R5II is compact, tough, and designed with a focus on workflow, flexibility, and peace of mind underwater.

www.reefphoto.com

www.uwpmag.com

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Nauticam NA-Z5II housing for Nikon Z5II Camera



Nikon has significantly upgraded the capabilities of the Z5II with improved processing speed, subject recognition autofocus, and enhanced low-light performance. Equipped with a 24.5-megapixel sensor, dual SD card slots, and comprehensive video recording features, the Nikon Z5II empowers users to elevate their underwater creativity. When combined with the NA-Z5II underwater housing, it offers a comprehensive solution for capturing exceptional underwater content. The ergonomic housing design optimizes the placement of essential controls, positioning them on the left and right handles for intuitive and efficient on-the-fly adjustments.

The NA-Z5II underwater housing upholds Nauticam's dedication to innovation. Essential controls are conveniently accessible via ergonomic handles, facilitating an

efficient setup that optimizes time spent in the water and minimizes time spent on rig maintenance. The N120 port system accommodates both Nikon Z Mount and legacy F Mount lenses via the FTZ/FTZ II adapter. Nauticam's extensive range of ports and in-house corrective optics complement the NA-Z5II's capabilities. When equipped with an accessory vacuum valve, the integrated vacuum check and leak detection system provides continuous updates on the housing's watertight integrity.

www.nauticam.com



Nauticam NA-Z8 for Nikon Z8



"Z9 Performance in a Z7 Body"

Every few years Nikon manages to hit a home run with a camera that just does everything better than seems possible.

The Z8 is that camera and more.

46MP/30FPS/

4K 120P/8K 60P/N-RAW 12-Bit/
ProRes RAW 12-Bit.

Lightning fast customizable AF for stills & best ever Live AF. Nauticam has met the challenge by crafting a new level of its legendary ergonomics into the NA-Z8 housing.

Nauticam and Nikon; bringing underwater imaging to a new standard.

www.reefphoto.com

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F40
AND
5000
LUMEN
VIDEO LIGHT



Doris Smarthousing



The Doris SmartHousing is a cutting-edge underwater housing designed for compatibility with leading mirrorless camera models from Canon, Nikon, and Sony. Offering seamless operation and advanced control features, this innovative system ensures professional-grade underwater photography with ease.

Compatible Camera Models:

Canon: R5 Mark II, R5, R6 Mark II, R6, R7
Nikon: Z8, Z7 Mark II, Z7, Z6 Mark III, Z6 Mark II, Z6, Z5
Sony: A1, A1 II, A9 Mark III, A7R V, A7R IV, A7 IV

The Doris SmartHousing automatically detects your camera, eliminating the need for manual setup. Simply insert your camera, and you're ready to shoot stunning underwater images.

www.uwsmarthousing.com

Sea & Sea LX-4000SW FS



One device with 2 roles for wide (100°) and macro (30°)! The originally developed new COB realizes the ideal 'center light distribution' of a single light source for both wide and spot lighting.

'COB' is a type of LED. It is an abbreviation for 'Chip on board', and as the name suggests, multiple LED chips are placed directly on the board. Since multiple LED chips are arranged in a concentrated manner, high luminance is achieved. A large surface can also be illuminated evenly since the light is emitted from a surface. SEA&SEA is the first in Japan to lay out 'COB' in a donut shape. Even with wide light, shadows are less likely to form in the center, resulting in uniform light.

www.seaandsea.jp



Nauticam NA-R5C housing for Canon R5 C



"Cinema Mastery"

The excellent Canon R5 has lots of fans, but serious video shooters sometimes felt a bit throttled by the built-in limitations of that camera. Canon's answer is the R5C. All that was great about the R5 has been fully unleashed.

You get Canon best-in-class white balance and AF and simply stunning image quality. Nauticam rose to the challenge with exceptionally elegant engineering incorporating full cinema zoom and focus in a compact form factor that inspires confidence from the very first use. Underwater cinema work has never been this easy.

www.reefphoto.com



Sea & Sea Yellow Sub Mega Tote



This reliable bag safely holds a housing, two strobes, and arms in optimal condition. The bag is splash proof, so there is no problem bringing it on the boat. It can also be used as a water tank for removing salt from the water.

This large tote is specially designed to carry a set of housings either assembled or disassembled. If you are traveling by car, you can easily carry the assembled housing in the bag. The housing, strobe and arm can also be disassembled and placed in the bag.

The inside of the bag is designed with a removable inner cushion. When strobes are removed for storage, the included partition can be used for peace of mind. The mesh inner pocket is convenient for storing lenses, maintenance kits, and other small items.



The material is a completely waterproof tarpaulin fabric. The upper part is a Velcro fastener style splash guard (splash proof), so there is no problem even if you bring it on a diving boat where the tide is running.

Although it is a large tote, it is large enough to be carried as carry-on baggage on an airplane. It is convenient because it can hold not only camera equipment, but also small personal items and a PC! This bag is useful not only at the beach, but also to and from the beach.

www.seaandsea.jp



Nauticam NA-A1 housing for Sony a1



"Do-Everything Powerhouse"

Sony has reconceived what a pro camera should look and feel like with the Sony a1.

Sony maintained the form factor of the A7 series, but loaded it with state-of-the-art technology that provides superior stills and video performance. 4K 120p, 8K Video, 50MP @ 30FPS, 9M dot EVF and more breaks new ground in this class. If you can dream it, the a1 can do it.

Married to the Nauticam NA-a1 housing with its superior ergonomics, the underwater possibilities are near limitless.

www.reefphoto.com

Inon Tripod



We are pleased to announce a new compact underwater tripod, newly designed ball head and variety of attachments that can be combined with various camera equipment.

They are available to order for immediate shipment.

www.inon.jp

Tigershark QuickBase™, QuickBall™ & QuickHook™

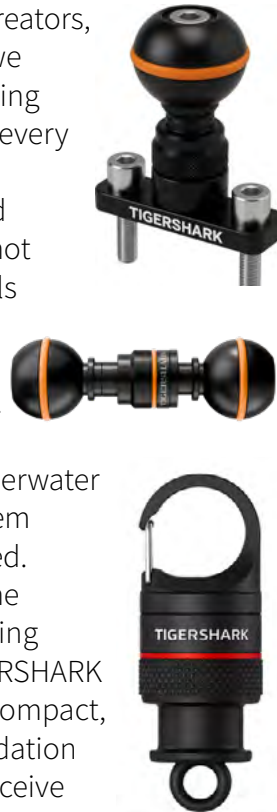
As divers, creators, and engineers, we got tired of carrying screwdrivers for every change.

We got tired of missing the shot because our tools didn't adapt in time. So we stopped waiting.

We started building the underwater connection system we wished existed. QuickBase™ is the universal mounting base of the TIGERSHARK ecosystem — a compact, low-profile foundation engineered to receive QuickHook™, QuickBall™, and QuickRing™ modules with magnetic alignment and mechanical stability.

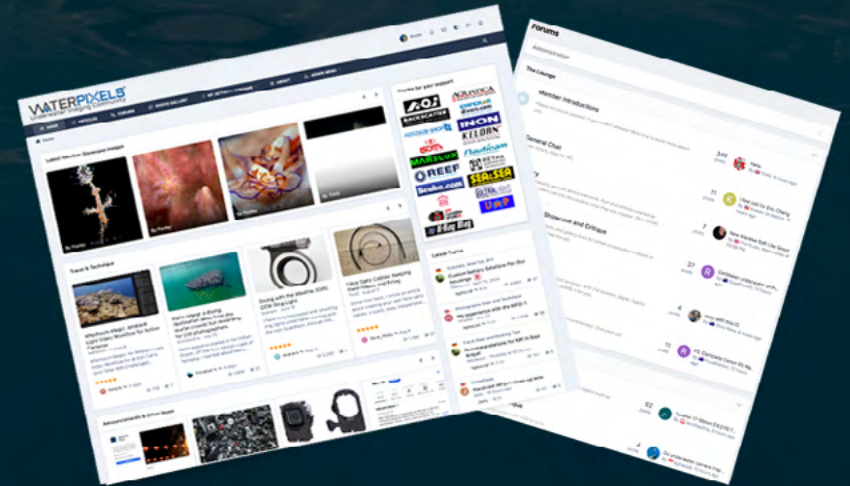
From dive arms to camera rigs, it's the one base to connect them all.

www.tigersharkgear.com



WATERPIXELS™

Underwater Imaging Community



Setup in late 2023, Waterpixels is a thriving online community for underwater image makers.

With over a 1000 members, the forum is run by a small, dedicated team of individuals who share a passion for underwater photography and who want to support the underwater imaging community.

Our objective is to provide members with a free community website and share advice, experience, knowledge and ideas that can enhance skills and creativity.

To support our commitment to keeping Waterpixels accessible to everyone, there is no charge for membership. We aim to cover running costs through sales of Waterpixels merchandise, donations from our community members, and, perhaps in time to come, carefully selected advertising partnerships. We do not sell or pass on data.

By joining Waterpixels, you become part of a vibrant community that is driven by a common love for underwater imaging. Whether you're a seasoned professional or just starting your journey, whether you use a large mirrorless or DSLR system, a GoPro or a compact, we welcome you to explore our platform, engage with fellow members, and take advantage of the wealth of resources available to you.

www.waterpixels.net

Ricoh TW-1 housing for RICOH THETA 360° camera

Ricoh presents an underwater housing for the new Theta V 360° 4K camera. It is also suitable for the Theta S and SC camera model and it is rated waterproof to 30 m (JIS Class 8). It features anti-reflective and impact coatings and comes with a case and a strap. Anti-scratch and anti-condensation sheets are also included. The Theta S model is accommodated by a silicon frame, which is included. The RICOH THETA enables you to capture high-quality 360-degree images and video in a single shot, complemented by the RICOH360 app that automatically synchronizes your captured data with the cloud.

These two solutions empower anyone to easily capture and share immersive images and videos in 360 degrees.

The TW-1 underwater housing is a RICOH THETA dedicated waterproof housing which can be used up to a depth of 30m (IPX8, JIS protection class 8 equivalent) that allows 360° shooting underwater. The case has a special design that considers the refractive index of light in water so that it can capture beautiful, nearly



seamless images that are unique to THETA, even underwater. The case surface has a hard coating that is scratch-resistant and an AR coating that suppresses reflections.

In addition, THETA SC2 and THETA V* support “underwater” white balance mode making it easier to get clear images. While using the housing underwater you can turn the camera on/off, switch between still image and video shooting mode, and press the release button to take photos. Also, it has a tripod screw mount so you can attach it to various camera accessories.

www.ricoh360.com



Immerse Yourself in the World of Underwater Imaging

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Keep up to date with everything that matters to underwater photographers, from the latest gear and gadgets to the newest developments in marine research

TECHNIQUES

Learn the fundamentals of underwater photography and progress to the latest, most innovative techniques taught by the top pros in the industry

ARTICLES

Discover the world of underwater imaging through compelling features from photographers, filmmakers, ocean scientists, industry experts, and more

TRAVEL

Read about the experiences of accomplished shooters as they visit the world's most iconic dive spots, and get inside tips on maximizing your dive vacation

EQUIPMENT

Use our comprehensive underwater photography and videography gear guide to find the best camera, lenses, housing, lighting, and accessories for you

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Submit your best underwater images and short films to our annual contests, including the prestigious DPG Masters Underwater Imaging Competition

WORKSHOPS

PHILLIPINES

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A few spaces still remaining!



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The Ultimate Guide to Diving in Indonesia

By Sarah Ann Wormald

The tropical seas around Indonesia's 17,000 islands span several ecological zones and host the greatest variety of marine life and biodiversity found anywhere on this planet.

The Ultimate Guide to Diving in Indonesia is the first and only comprehensive guidebook dedicated entirely to Indonesia's unique and exciting dive sites and facilities.

Seasoned dive instructor and long-time Bali resident Sarah Ann Wormald presents descriptions and photos for each major dive site, including recommendations for the best operators and services to use.

Maps of each area, marine life and conservation stories, and detailed travel tips from a local expert help to guide you in planning your visit. This updated and expanded third edition features many new photos, dive operators and dive sites that have surfaced over the past few years.

Wormald covers each major region in detail, among them:

- Bali — "The Island of the Gods," famous for its marine life and the USS Liberty shipwreck off Tulamben
- North Sulawesi — Where active volcanoes tower over lush plateaus and gorgeous coral reefs



- Nusa Tenggara — The vast region from Lombok to Timor featuring everything from submerged seamounts, walls and drop-offs to freshwater caves, slopes and sandy muck diving bays
- Maluku — An often overlooked but unique sites that host the perfect combination of reefs and critters
- Raja Ampat and West Papua — Quickly becoming the "mecca" for Indonesian diving, with beautiful landscapes, white sand beaches and shallow water corals which make it the postcard trip of a lifetime.

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