

New Products

Intova Sport Pro SP1

Intova recently unveiled Sport Pro, the next generation POV camera with 1080p HD Video.

The SP1 utilizes Intova's patented unibody design, allowing electronics to be built directly into the durable and compact housing. The space saving design leaves room for a high quality LCD screen and full function button control as standard features.

Sport Pro's flat lensport works equally well above or below water and accepts a slip on red filter for deep water color enhancement. 140 degree lens angle allows maximum field of view with minimal edge distortion, improved sharpness and better depth of field.

The camera floats, is waterproof to 200 feet and utilizes a standard tripod fitting for easy mounting options. A full range of Sport Mounts and Lighting Systems are available as accessories.

Other camera features include: Micro SD memory to 32g, USB recharging, TV output, flip and burst modes, effect mode and much more. Product Specialist Chris Gardener notes, "POV Cameras have become

www.uwpmag.com



a significant product category that is bringing new life to Camera Departments worldwide.

There are several good, new suppliers in the industry and consumers will be looking for choices. The features and price point of SP1 make it a logical addition to retailers product selection."

www.intova.net

Nauticam Carbon Fiber Float Arms



Nauticam is pleased to announce the immediate availability of its new line of Carbon Fiber Float Arms. First previewed at the DEMA Show 2012, these arms have undergone rigorous "gorilla" testing to insure they are ready to meet the needs of underwater photographers working in demanding conditions. The Carbon Fiber arm line is now in stock at Nauticam distributors worldwide.

Underwater photographers have long battled to make their camera systems neutrally buoyant in the water; a neutrally buoyant rig is easier to handle in the water and can be operated with one hand much easier than heavier rigs. Systems that are too heavy can result in arm strain and contribute to difficulty with buoyancy of the shooter. A properly balanced rig is a lot more fun to use!

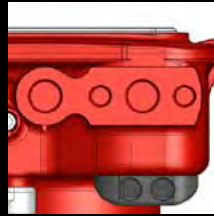
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APSO-RX1002
Underwater Camera Housing for SONY RX100 II



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SEA&SEA
THE UNDERWATER IMAGING COMPANY

Sea & Sea Lens Caddy for M67 Wide-angle Conversion Lens



The caddy is made of aluminum alloy and enables accessory lenses with M67 screw mounts to be attached to an SA8 Double Ball Arm (S/M/L) and stored when not in use.

The caddy is securely bolted in place ensuring there is no movement or slip. Either the M67 Wide-angle Conversion Lens 0.6x or the Close-Up Lens 125 (with M67-M62 Step Down Ring) can be mounted.

Two accessory lenses with M67 mounts can be attached to a SA8 Double Ball Arm if you have two Lens Caddies fitted (one on each side).

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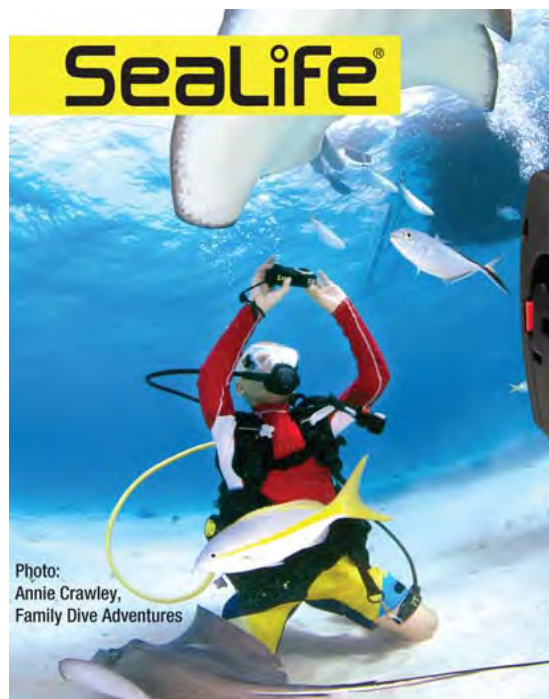


Photo:
Annie Crawley,
Family Dive Adventures

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Nauticam
USA

Nauticam NA-NEX5N
Sony NEX-5N housing



"Back to the future"

The Sony NEX-5N provides DSLR image quality with the full HD video of a camcorder in a compact size.

The Nauticam NA-NEX5N extends that capability with a form fitting aluminium housing and a full range of ports from fisheye to macro.

But the most innovative twist is a port adaptor to use Nikonos lenses from the pin sharp 15mm UW Nikkor to the super macro combination of 35mm and extension tubes.

For decades the Nikonos range of lenses were world leaders but the advent of digital saw them put on the shelf. Now we can use them all over again to benefit from the past with a camera for the future.

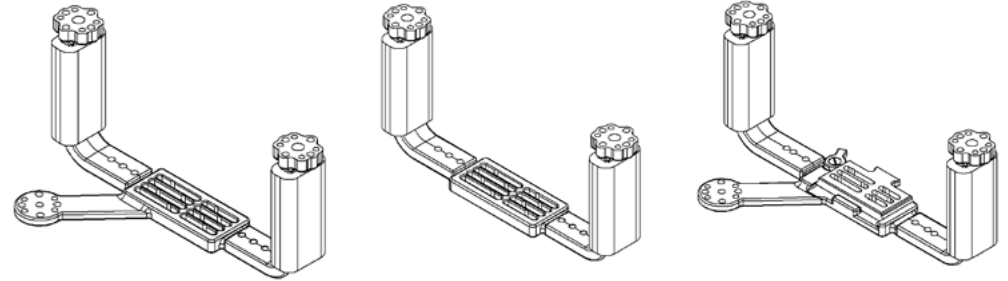
www.nauticamusa.com



NA-5DIII Housing for Canon EOS 5D Mark III



New Acquapazza products



Japanese housing manufacturer Acquapazza is finalising the design of several new products the first of which is their Grip Bases. There will be 3 versions: GTM, GM and QM.

Base GTM is a general purpose base with 2 handles and an extension for mounting a focus light on the right hand side which the GM does not have while the QM has a quick release shoe allowing separate housings with macro or wide lenses to be quickly interchanged without changing any lighting.

Acquapazza will release the APSO-RX1002 soon. It is for the Sony Cyber-shot DSC-RX100 II

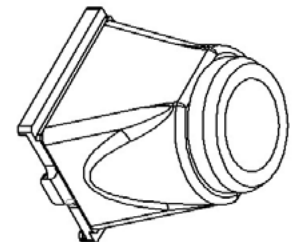
Although the newly designed camera has a tilting screen it was not physically possible to produce a tilting back design for the housing but this makes the price of the housing much lower.

They have also produced an M67 port which will take the INON UWL-H100 28M67 without vignetting with the Type1 or Type2 designs. An optional 28LD port is proving to be very popular.



The M10 Ball Mount will not loosen even though there is no lock nut. This helps save weight.

Finally the Magnifying Monitor Hood has stronger rails to hold it more securely to the LCD screen port.



This is a busy time of expansion for Acquapazza and they are making significant long term investments in manufacturing capability to satisfy the demand for their products.

Demand Quality?



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Nauticam Flash Trigger for Canon

Innovation Underwater continues as Nauticam is pleased to announce the first in it's line of flash trigger units, allowing use of robust and reliable fiber optic cables to fire external strobes. The Flash Trigger for Canon works with Canon cameras without popup flashes, like the EOS 5D Mark III, the EOS 6D, EOS 1D X and EOS 1D C, providing dependable, rapid-fire flash triggering over fiber.

Flash triggers allow motor drive shooting sequences, perfect for fast moving action. Since the popup flash is not used, the camera does not have to wait for the popup flash to recycle, meaning faster shooting, less heat buildup, and longer camera battery life. Shoot as fast as your external strobes can handle!

The Flash Trigger for Canon weighs under 70 grams, including batteries, and mounts on the camera hotshoe, locking in place with a locking lever. It uses 2 CR3032 batteries, which combined with the



highly efficient LED trigger lights, provide for thousands of flashes (5000 estimated). An LED status indicator informs the user that the unit is on and functional.

www.nauticamusa.com

Nauticam USA

Nauticam NA RX100 Sony DSC RX100



"Simply Awesome"

With 20mp, this camera and Housing package offers the complete control and image quality of an SLR system with the size and convenience of a compact system. Controls are simple, but well thought out with easy to access push buttons.

Dual command dials immediately access frequently used manual settings like manual focus, F-Stop, and Shutter Speed. Full 1080P HD video performance and excellent wet lens options makes for one powerfully small package.

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ACQUAPAZZA

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Coming soon!

APSG-DPM

Underwater Camera Housing for SIGMA DP1 Merrill
DP2 Merrill
DP3 Merrill



<http://acquapazza.jp/en>

Nauticam NA-V2 for Nikon 1 V2



Nauticam proudly announces the NA-V2 housing, supporting the latest flagship in the Nikon 1 CX Format mirrorless system, the Nikon 1 V2. Nauticam is the world wide leader in the underwater mirrorless housing market, with more housings for this camera segment than any other manufacturer.

The compactness of the camera body and lenses translates into a very small and light weight housing. This is a perfect system for someone with small hands, and one that can be easily packed in a small backpack for travel.

The V2 camera has independent command dials for accessing f-stop and shutter speed, and these controls are placed at the photographers fingertips in the housing. The housing features a patent pending LCD/EVF Switch to switch between the LCD on



the back of the camera to the excellent electronic viewfinder (EVF).

The housing takes advantage of the new popup flash to allow strobes

to be fired with fiber optic cables. No sync cables to corrode or flood, and automatic flash exposure is made easy with several popular external strobes.

The sculpted NA-V2 housing fits the V2 camera perfectly - the camera is quickly mounted in the housing via a snap in camera tray, and the housing is securely closed with a locking rotary latch.

Providing the excellent versatility of interchangeable lenses in the smallest mirrorless housing in the market, the NA-V2 carves out a unique niche that will appeal to many avid photographers.

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Nauticam
innovation underwater

NA-RX100II/V Housing for
Sony Cyber-shot DSC-RX100II



www.nauticam.cn



Ikelite Housing for Canon ELPH 330, HS IXUS 255 HS and IXY 610F



The Ikelite housing for Canon ELPH 330 HS, IXUS 255 HS, and IXY 610F cameras is just the right size for carefree travel and a comfortable hold with or without a thick glove. All important camera functions are at your finger tips using a series of heavy duty, custom made mechanical controls. With a camera installed, the housing's buoyancy is near-neutral for comfortable handling and rock steady HD video.

Our signature clear construction lets you see that the housing is watertight and dry before you enter the water, and provides full view of the camera while you're diving.

A flash or light makes all the difference. Expand your system by adding an AF35 AutoFlash strobe for spectacular still photos. The AF35 kit provides wireless TTL exposure and



attaches with just two screws for easy assembly and break down for travel. Whenever you're ready, add a Gamma LED light, diffuser and AF35 mount to aid in focus and add a pop of color to your video.

The optional WD-4 Wide Angle Dome corrects for refraction to provide the camera's widest angle of coverage with virtually none of the corner softness typically associated with underwater wide angle lenses.

There's no need to limit yourself to wide angle for an entire dive, as the dome can be easily removed and replaced underwater. If you're interested in close-up photography, opt for the Macro Adapter and attach any macro lens with a standard 67mm thread.

www.ikelite.com

Nauticam
USA

Nauticam NA-EM5 Olympus OM-D E-M5



"Full HD and 16mp"

The NA-EM5 housing from Nauticam delivers the advanced features of the OM-D E-M5 in style and with the superb ergonomics that people have come to expect from Nauticam. This is a very compact and rugged housing, with most of the E-M5 camera controls accessible from the ergonomic grip sculpted into the side of the housing. The excellent Olympus EVF is easily available with a flick of the switch.

A choice of hand strap and tray options allows customizing to a shooter's specific needs.

Depth Rating: 100m Dimensions: 185mm x 152mm x 105mm Weight: 1.1kg(2.4 lbs.)

www.nauticamusa.com

Ikelite Housing for Panasonic Lumix DMC-TS25 & FT25



The Ikelite housing for the Panasonic Lumix TS25 & FT25 is just-right-sized for carefree travel and a comfortable hold with or without a thick glove.

All important camera functions are at your finger tips using a series of heavy duty, custom made mechanical controls.

Expand your system by adding an AF35 AutoFlash strobe or optional tray with release handle(s), attached with two screws for quick break-down during travel.

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Sea & Sea M52 Wide- Angle Conversion Lens



The Sea & Sea Wide-Angle Conversion Lens is for Olympus waterproof cases with an M52 screw mount.

The camera's angle of view increases from 28mm to 18mm (35mm film equivalent). (The lens can be used both on land and underwater. Can be attached and detached underwater).

The lens is compatible with Olympus PT-045 / PT-047 / PT-048 / PT-051 / PT-053 / PT-055 waterproof cases as of August 2013.

www.sea-sea.net



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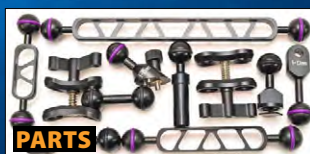
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MAGIC FILTER IN ACTION...

BRAND NEW: The Magic Filter is finally available as a redfilter adapter for the following Actioncam models:



NEW

ROLLEI 5S GOPRO HERO 3 ACTIONPRO X7 BEAST VISION HD INTOVA SPORT PRO HD

SL Tech2 GmbH Actioncam Magic filters

SL Tech2 GmbH, a German engineering office, joined in May as an authorized dealer its sales division for Magic Filter products. Simultaneously they begun to develop filter adapters for the most popular actioncams on the market as there does not exist a "real" Magic Filter for these cameras yet. Four Months later they are ready to go and finally launched the selling of the filter adapters including Magic Filters.

Actioncams with round lens: SL Tech2 GmbH developed an adapter which can be easily attached on actioncams with round lens. The adapter includes a M49 thread so the AMS-49 fits perfectly into it. But you are also free to fit any M49-filter onto the adapter you would like: maybe a ND

filter when you are not in the water but in the sky?

Actioncams with angular lens: Due to a brand new production process SL Tech2 GmbH is able to produce small amounts of the filter adapter without the high costs an injection-moulding process would cause. Easily to fit on the camera the filter element is also fungible and the complete adapter can be removed underwater.

There already exist many videos in the gallery which demonstrate the effect of the Magic Filter very well. And this is not the end. They are already working on new projects.

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“Often copied,
never equaled”

Backscatter Flip3.1 for GoPro Hero3

Backscatter is proud to announce the launch of the Flip3.1, a brand new system of underwater color correction filters for the GoPro Hero3. GoPro's Hero3 now ships with a dive-ready flat port housing, but on its own, it delivers disappointing results underwater.

A color correction filter is essential for getting good color and contrast with your GoPro, and that's why after months of testing, we've released the most comprehensive system of filters ever for GoPro.

The all new Flip 3.1 features a universal filter shape that works with either the side hinge or the all new TOP FLIP hinge assembly, and will accept the new SHALLOW, DIVE, and DEEP filters. The Flip 3.1 will retail for \$69 including the frame and DIVE Filter. The Flip 3.1 is also available with the frame alone for \$49, for topside users who may want to use it with our 55mm mount on its own.

The Flip3.1 DIVE filter offers the best color on the market. However, we've had many requests for filters optimized for shallow and deep water use. Our new filters are individually laser etched with their name and recommended depths. The



DIVE filter is the standard filter that comes with all Flip3.1 frames and provides optimal color between 20-50 feet. The new SHALLOW filter is optimized for use between 5 and 20 feet. The more saturated DEEP filter is calibrated for great results at 50 feet and deeper when water visibility is excellent. Existing Flip3 customers can simply purchase a Top Flip to add a SHALLOW or DEEP filter to their system. New Flip3.1 customers will be able to mix and match all new filters from top to side mount. Each of the new filters is available for \$19.95.

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DPG Expeditions

Cat Island Oceanic Whitetip Photography Expedition

May 4- 10 2014



epic diving

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Issue 74/22

For more information contact trips@divephotoguide.com

Backscatter Airlock review

by Alex Tyrell

Camera equipment isn't cheap, especially if you've gone down the SLR route. If you have invested in one of the new breed of Super HD video systems, like the RED or Canon 1DC, the cost is even greater. So the F word can send shivers down the spine of the underwater photographer.

The newest all-singing, all-dancing camera with some decent glass stuck up front can set you back up to a couple of thousand pounds (4 times this for 1DC and we're talking scary amounts for the RED system!) and then add in the cost of replacing any of the electronics inside the housing, which will surely be fried beyond repair. That's not including the cost of dive trip and airfare to the current photo-hotspot, which could potentially be ruined (or at least remembered for all the wrong reasons) unless you've invested in a spare camera body. However this creates additional expense and is a luxury that isn't available to all.

Meticulous housing preparation is key to avoiding floods, but mistakes occasionally happen, especially if being rushed or you have travelled halfway around the world and jetlag has scrambled your sleep-deprived brain. Having worked in a resort at

one of Asia's critter hot spots for nearly 4 years, I saw my fair share of floods. Every one of these floods was due to a mistake being made during camera preparation.

So, is there anything we can do to check if we have prepared our housing correctly? Traditionally, this 'leak-check' was carried out with the aid of the resorts freshwater dip-tank, submerging the housing and then praying that we didn't see a continuous stream of bubbles rising to the surface. If a leak is suspected, you need to get the housing out of the freshwater before it works its way into the fragile camera electronics. Are your reactions quick enough to avoid abruptly causing your camera's demise?

Installing a vacuum-style system into an underwater camera housing is hardly new. Hugyfot have been supplying the Hugycheck electronic vacuum on their housings since 2009 and prior to that in 2007, Gates released their Seal-Check as an optional extra for their housing range. More recently Housing Sentry released a vacuum system that can be retrofitted to various different housing brands. And with the innovative manufacturer Nauticam also jumping



on the bandwagon this year releasing their version of a vacuum seal, it looks like this piece of kit is fast becoming mainstream equipment.

When Backscatter announced they were introducing their own version of a vacuum system earlier this year, I thought I'd take a closer look. If we are able to implement an extra level of protection for the expensive, water sensitive camera

equipment we take diving, it seemed sensible. I especially liked the complete manual operation of their system, as it requires no batteries or electricity supply, just a bit of elbow grease. So I took the plunge and ordered one for my Subal ND7000.

When the AirLock arrived I set about installing the device, which turned out to be very simple. The Subal ND7000 comes with pre-