

# PRODUCT CATALOG 2015-2016

**SEA&SEA**  
THE UNDERWATER IMAGING COMPANY



# The ultimate strobe, everything you need in one package.

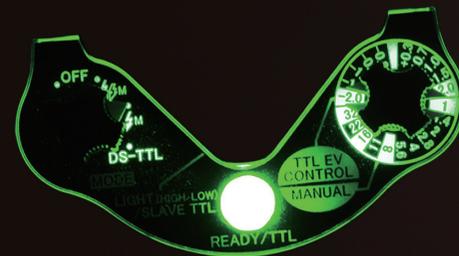
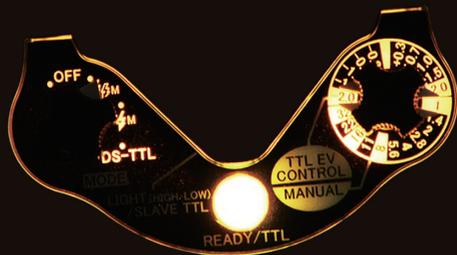


Illuminated control panel,  
ideal for night diving.

Improved exposure compensation range,  
now +/- 2.0 EV.

Dual powered target light  
(approx. 100/300 lumen).

Red target light filters come as standard,  
used to avoid disturbing marine creatures.



Maximum guide number 32. Recycle time only 1.5 sec.  
(using nickel hydride AA batteries).

Improved light output stability,  
by controlling voltage differences.

Improved DS-TTL II accuracy, especially at low outputs,  
using a light emission detection facility.

Custom Mode allows the strobe to be used  
with cameras featuring non-standard pre-flash.

# The Challenge...



SEA&SEA have always strived to produce the best underwater imaging gear to record and reproduce the beauty of the sea.

Listening to the various requests and demands received from underwater photographers, we are aware that the importance of lighting is becoming even greater.

In response, we have just released a new strobe, made to our high standards of idealism and ingenuity.

The new strobe is the fruit of our latest technological developments.

Not only is this new strobe reliable, but owners intuitively understand how to use it.

Try out the results of our latest technology for yourself.

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☑ Please note that models with this symbol have been discontinued. Availability is limited.

### Icon Key for housings

- Compatible with Optical YS Converter.
- Housing compatible with Internal YS Converter.

### Icon Key for strobes

- It corresponds to the 5-pin connectors of the Nikonos type.
- Uses a fiber optic cable for connection between digital camera and strobe.
- DS-TTL II automatic exposure is possible by connecting a digital camera in housing with the Fiber-optic Cable L-type.
- DS-TTL automatic exposure is possible by connecting a digital camera in housing with the Fiber-optic Cable L-type.
- With Target light illuminating the Strobe light axis.
- Confirming the strobe firing manually.
- With manual flash exposure control adjustment.
- TTL photography is possible with sync cord.
- Confirming the TTL flash output.
- Audible tone indicates flash readiness and TTL confirmation.



[Caution for Ni-MH battery] When Ni-MH batteries are used, please follow these instructions. Failure to do so could result in battery leakage or/and battery explosion  
\*Insert the batteries with the polarity shown in the battery compartment. \*Remove batteries immediately after use.

\* For compatible cameras, please refer to "Compatibility List" for the strobe and digital cameras on the SEA&SEA website.

U/W Strobe

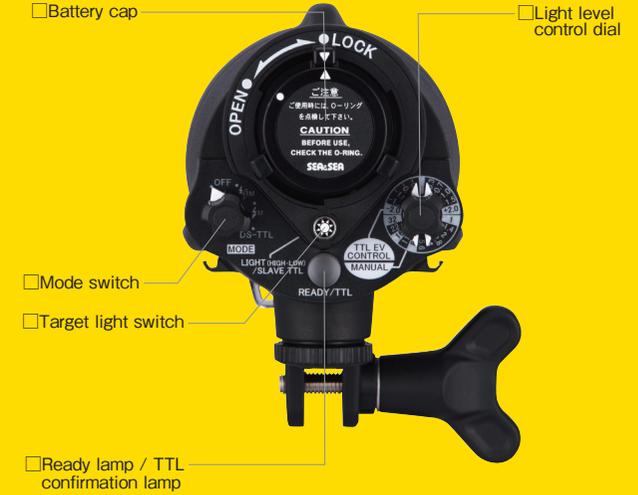
# YS-D2 NEW

## Unprecedented power, speed and quality are packaged into one strobe. Pioneering; the YS-D2 provides underwater lighting using the latest technological solutions.

**YS-D2 (Black)** 03117 [Accessories] Fixing bolt, Ball Mount Strobe Adaptor, Diffuser100, Diffuser120, Red filterx2 Spare O-Ring Set 10580

\* When the YS-D2 is used with a camera with built-in flash in housing, use the Fiber-Optic Cable.

\* Use of genuine SEA&SEA Fiber-Optic Cables is recommended. SEA&SEA strobes may not function properly if a third-party Fiber-Optic Cables are used (functions such as TTL auto exposure in particular).



### Excellent night-time visibility. The illuminated control panel is ideal for night diving

Color of illumination changes to indicate mode: aqua blue (in DS-TTL mode), blue (in slave TTL mode), orange (in manual pre-flash mode) and Green (in manual mode without pre-flash). You can check which mode the strobe is set even under pitch-black conditions.



### Maximum guide number is a powerful 32 (ISO 100, meter). Recycle time is only 1.5 sec (\*1)

The YS-D2 is powerful enough to illuminate a wide area, even under very bright conditions with plenty of natural sunlight. During macro photography, where subtle exposure control is required, manual mode can easily be selected and the guide number quickly adjusted as low as 1.

(\*1) when nickel hydride AA batteries are used.

### DS-TTL II automatic exposure control with improved accuracy and stability

SEA&SEA's own automatic exposure control system, DS-TTL II, has been further improved. Tuning light emitting timing in detail and adding light emission detection function, the accuracy of automatic TTL exposure has been noticeably improved. Previously, TTL photography was difficult with the lens's aperture wide-open (maximum aperture) and images were likely to be overexposed. It is now possible to give a low powered flash so the correct exposure can be easily achieved with the YS-D2.



### EV control function can finely tune the amount of light emitted

By controlling the actual flash light level, the strobe achieves accurate exposure compensation with EV compensation. As the exposure compensation range has improved to +/- 2.0 EV, users can concentrate on shooting even more creative images. (-2.0EV, -1.5EV, -1EV, -0.7EV, -0.3EV, +0.3EV, +0.7EV, +1EV, +1.5EV, +2.0EV).

### Two diffusers and red filters included with the strobe as standard

By attaching one of the included diffusers, the beam angle is increased to 100o or 120o (circular) with a soft and even light. The red target light filter helps avoid disturbing skittish creatures that are likely to react to normal light. The red filter is fitted inside the diffusers.



Diffuser100 [28111]      Diffuser120 [28112]

The strobe cover is tailor made for a perfectly fit.

### The target light can be adjusted in 2 steps

The strobe is equipped with a target light (approximately 100/300 lumen). In use (target light switch in ON position), the light will be automatically turn off when the strobe fires and will automatically turn back ON after 0.5 sec.



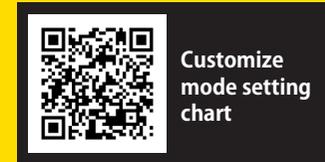
### Ergonomically improved controls

Handling is greatly improved. Larger knobs and a new magnetic rotary switch help prevent controls being accidentally reset in use. With the new controls, quick operation is possible when photo opportunities suddenly appear.



### Custom mode is a new innovation which allows the YS-D2 to be compatible with cameras with non-standard pre-flash settings

Some manufactures use their own pre-flash timings on their cameras. The new custom function means the YS-D2 can be compatible with cameras with non-standard pre-flash in DS-TTL II and manual modes.



in Custom mode

### Attaching the YS-D2

The strobe can be attached to an arm with the YS-mount or the ball-mount (both mounts included as standard accessories).



### Choosing the right cable

In accordance with the camera and housing you use, choose either a fiber-optic cable (optional) or sync cord (optional) to connect the strobe.

\* A Fiber-optic cable II is required to use the DS-TTL II function.



NEW Strobe Cover for YS-D1 [51290]

Strobe cover made of Fine Mesh Skin (outer material) and Neoprene (lining).



U/W Strobe

# YS-03 NEW

## Everybody can enjoy TTL strobe photography with this affordable, easy to use, compact underwater strobe.

YS-03 (Black) [03116] [Accessories] Fixing bolt, Diffuser Spare O-Ring Set [10580]

\*A Fiber-Optic Cable will also be required when using the YS-03.

\*When the YS-03 is used with a non-SEA&SEA housing, a Strobe Mask Set (#50109) may be required along with the Fiber-Optic Cable.

\*Use of genuine SEA&SEA Fiber-Optic Cables is recommended. SEA&SEA strobes may not function properly if third-party Cables are used (functions such as TTL auto exposure in particular).

**OPT** **TTL** Lamp **Guide Number :20** **Beam angle 100° x100°**



### YS-03 UNIVERSAL LIGHTING SYSTEM

A great value strobe package which includes everything you need to combine the YS-03 with most compact camera/housing combo's. [03541]

Package includes;  
YS-03 Strobe,  
Flexible Arm 30 & Camera Tray 200,  
Fiber-Optic Cable II M/2 Connectors.

System sample



### Simple Controls

The YS-03 has been designed for any underwater photographer to use and is easy to understand. The only control is the rotary power switch and by simply turning the switch from OFF to TTL you can take beautiful images.



Charged and ready to trigger. TTL exposure confirmed.

### Easy and Versatile Slave TTL

As the YS-03 has been designed to mimic the light intensity of the camera's built-in flash, it is not necessary to manually adjust output. The YS-03 is compatible with any camera with a pre-flash and that has a TTL flash exposure function, regardless of make.



Taken with the YS-03



Taken without strobe (ambient light)

### Comes with diffuser as standard

The half-translucent section diffuses and softens the light from the strobe. Using the diffuser gives softer, more evenly exposed images. The diffuser will also help reduce effects of overexposed images or when strong light produces shade/shadow in the image.

Diffuser for YS-01/02/03 [28109] (standard accessory)



YS-03 Promotional movie



U/W Strobe

# YS-01

Affordable compact DS-TTL and manual strobe with target light.

**YS-01 (Black)** [03112] **Spare O-ring Set** [10580]

[Accessories] Fixing bolt, diffuser

\*A Fiber-Optic Cable will also be required when using the YS-01.  
\*When the YS-01 is used with a non-SEA&SEA housing, a Strobe Mask Set (#50109) may be required along with the Fiber-Optic Cable.

\*Use of genuine SEA&SEA Fiber-Optic Cables is recommended. SEA&SEA strobes may not function properly if a third-party Fiber-Optic Cables are used (functions such as TTL auto exposure in particular).



Compact but very versatile slave strobe, suitable for both macro and wide-angle photography.

Circular beam angle of 100 x 100 degrees.

Maximum guide number is 20 (m).

Can be switched between DS-TTL and (ten-level) manual control modes, enabling fine adjustment of the light power output according to the photographer's requirements.

Powered by 4x AA batteries, for the optimum number of flashes.

Quick recycle time of 1.9 sec. (with 2700mAh nickel-metal hydride batteries).

Equipped with a high-luminance white LED target light (1w) which also indicates the optical axis of the strobe.

**Diffuser for YS-01/02/03 (Standard accessory)**

[28109]



The latest YS-01 slave function compatibility chart



YS-01 PROMOTIONAL MOVIE



Some cameras on the market are not compatible with the YS-01 strobe or can only be used with limitations. Other cameras require specially designed firmware to be downloaded to the strobe. Please refer to the 'Strobe Compatibility List' on our website for details.

U/W Strobe

# YS-250PRO

Our YS flagship model for professionals is fast and powerful with broad coverage: guide number 32, beam angle 105.

**YS-250PRO (Black)** [03526] **Spare O-ring Set** [62127]

[Accessories] Exclusive Ni-MH battery, exclusive battery charger (compatible with 110/240V), fixing bolt, diffuser, slave sensor cap  
\*When the YS-250PRO is used with a camera with built-in flash in housing, use the Fiber-Optic Cable.

\*Use of genuine SEA&SEA Fiber-Optic Cables is recommended. SEA&SEA strobes may not function properly if a third-party Fiber-Optic Cables are used (functions such as TTL auto exposure in particular).



A large circular arc tube produces a guide number of 32 (m/on land at full power).

Equipped with 12-step manual flash power adjustment.

Recycles in 1.8 seconds with dedicated high-capacity Ni-MH battery.

A high-luminance white LED target light in the center shows precisely where the strobe is aimed.

A ready lamp and a TTL confirmation lamp (with an audible signal) are situated on each side of the strobe.

**Battery for YS-250PRO (Standard accessory)** [54102]

**Battery Charger for YS-250PRO (Standard accessory)** [57103]

**Diffuser for YS-250PRO (Standard accessory)** [28105]



U/W Housing for SONY DSC-RX-100IV / RX100III

# MDX-RX100 III

Housing for SONY DSC-RX-100IV / RX100III high-end, high-performance digital compact camera.

**MDX-RX100 III Housing (Black) (Housing only) 06171 Spare O-ring Set 62134**

[Dimensions (WxHxD)] 147 x 103 x 127mm / 5.8 x 4.1 x 5.0 inches (including port) [Weight] Approx. 930g / 32.8 oz (housing only) [Underwater weight] Approx. 430g / 15.2oz (including camera)  
 [Depth rating] 100m / 330ft [Construction] Corrosion-resistant aluminum alloy, galvanized (black)



## Accessory lenses or filters with M67 screw mount can be fitted on the port

The port is threaded so M67 Wide-angle Conversion Lens 0.6x (#52123) can be mounted directly.



\* Angle of view increases from 24mm (35mm film camera equivalent/aspect ratio 3:2) to approximately 18mm when the M67 Wide-angle Conversion Lens 0.6x is mounted.  
 \* When the lens is used at its widest angle, vignetting (dimming) will occur in the corners of the image. Zoom in slightly to telephoto (approx. image angle of 30mm) to eliminate vignetting.



Image taken using standard lens



Taken with the M67 Wide-Angle Conversion Lens

## LCD Monitor Hood with Lens (#52121) can be fitted

The LCD Hood reduces reflections and provides a clear and complete view of the camera's LCD screen. (LCD Hood stopper included)



## Two SA8 Fixed Ball Base mount locations built-in

By attaching SA8 Fixed Ball Base (#22119) to the specially designated mounts, located on the top and the side of the housing, SA8 components can be mounted to the housing without needing a grip or tray. Mounting the SA8 Ball Base For Accessory shoe (#22120) provides even more versatile lighting options. Additional strobe or modelling lights can be used.



All camera functions can be operated underwater.

The large dial on the housing front connects to the camera's control ring and smoothly operates manual focus and other functions. The multi-purpose control wheel on the camera's rear is operated by the multi-point controller on the back of the housing. All controls can easily be reached and operated with your right hand.

The camera's built-in flash can be activated and deactivated from the housing.

Equipped with two Fiber-Optic Cable sockets.

The camera can be mounted in the housing with SONY's accessory "AG-R2" grip attached, so allowing comfy, stable use on land when required.

Optional Leak Sensor (#46115) can be built into the housing. Its LED lamp is located in the LCD monitor window and alerts you to any water ingress.

Equipped with two sacrificial zinc diodes (one on the front case and the second on the rear) to avoid electrolysis damage.

**Sacrificial Zinc Anode (2 pieces) (#46116)**

Anti-slip rubber piece located on the upper right-hand rear case, helps hold the housing steady.

The housing is easily opened and locked with the rotary latch and hinge.

### Optional Leak Sensor (#46115)

The sensor immediately alerts you to any water leakage when the super-bright LED lights up.



U/W Housing for SONY α6000

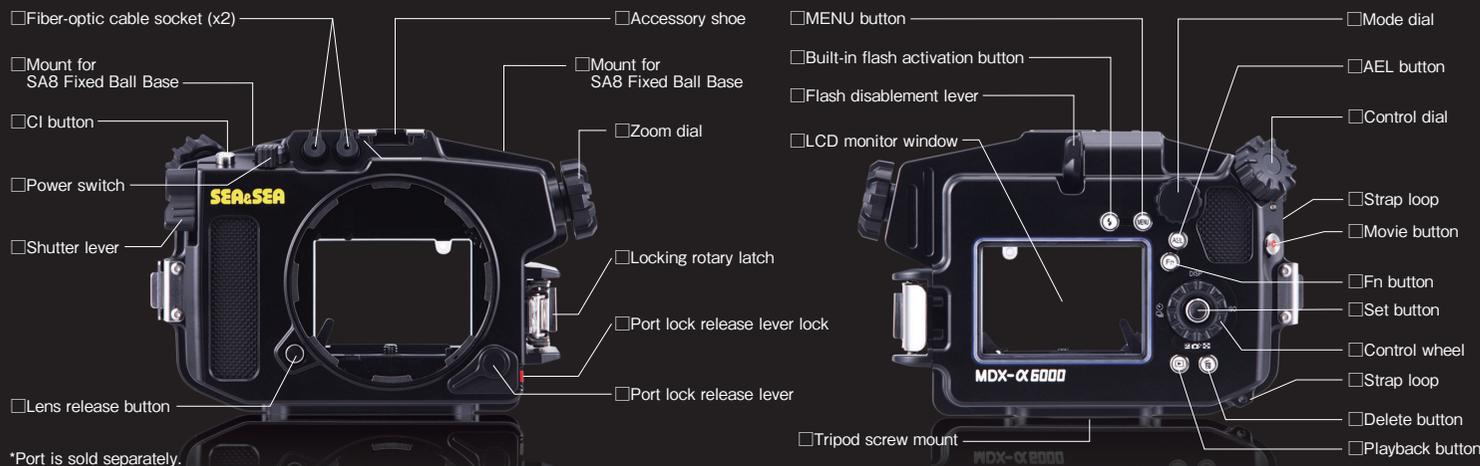
# MDX-α6000

the latest mirrorless interchangeable lens camera with APS-C sensor.

Housing for SONY α6000;

**MDX-α6000 Housing (Black) (Housing only)** [06172] **Spare O-ring** [62158]

[Dimensions (WxHxD) (housing alone)] 193 x 125.7 x 91.7mm / 7.6 x 4.9 x 3.6 inches [Weight] Approx. 1,200g / 42.3oz (housing only) [Underwater weight] Approx. 450g / 15.9oz (including camera, SELP1650 lens and Flat Port 33)  
 [Depth rating] 100m / 330ft [Construction] Corrosion-resistant aluminum alloy, galvanized (black)



\*Port is sold separately.

## New Format 'ML' Mount Ports

The following ports are available for SONY E mount lenses:  
 ML Flat Port 33(#30120) with M67 screw mount,  
 ML Dome Port(#30121) and ML Extension Ring 25(#30122).



With the ML Flat Port 33 mounted



With the ML Dome Port mounted

**ML Flat Port 33**(#30120) **ML Dome Port**(#30121)

**ML Extension Ring 25**(#30122)

Refer to page 33 for system chart

**Anti-reflective Ring M62** [52135]

The ring prevents unnecessary reflection inside the ML Dome Port when used with the SEL1018 lens. With the SEL1018 zoom gear attached, the combination will prevent internal light reflections from the built-in flash.



**Anti-reflective Ring M49** [52134]

The ring prevents unnecessary reflection inside the ML Dome Port when used with the SEL16F28 lens. With the Light Shielding Pad for SEL16F28 attached, the combination will prevent internal light reflections from the built-in flash.



**Anti-reflective Ring M40.5** [52133]

The ring prevents unnecessary reflections inside the ML Dome Port when used with the SELP1650 lens. With the SELP1650 zoom gear attached, the combination will prevent internal light reflections from the built-in flash.



**Shading Pad for SEL16F28** [52136]

The pad prevents internally reflected light from the built-in flash when using the ML Dome Port and SEL16F28 lens with either the VCL-ECU1 or the VCL-ECF1 converter mounted.



All camera functions can be used underwater.

Equipped with two Fiber-Optic Cable sockets.

The camera's LCD monitor can be tilted up to 10 degrees.



With the lens lock button located on the front case of the housing, lenses can be changed with ease.

The camera's built-in flash can be activated and deactivated from the housing using the Built-in flash activation button and the Flash disablement lever.

Optional Leak Sensor (#46115) can be built into the housing. Its LED lamp is located in the LCD monitor window. The sensor immediately alerts you to any water leakage by super luminosity LED lighting up.

Use of the hand-strap is recommended when a camera tray (stay) is not used. The hand strap helps you hold the housing with just one hand.

**ML Hand-Strap**  
 For MDX housings for mirrorless interchangeable lens cameras. (#46118)



Equipped with two sacrificial zinc diodes (one on the front case and the second on the rear) to avoid electrolysis damage.

**Sacrificial Zinc Anode (2 pieces)** (#46116)

**Optional Leak Sensor**

(#46115)



The sensor immediately alerts you to any water leakage when the super-bright LED lights up.

MDX Series

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U/W Housing for SONY a7R II / a7 II

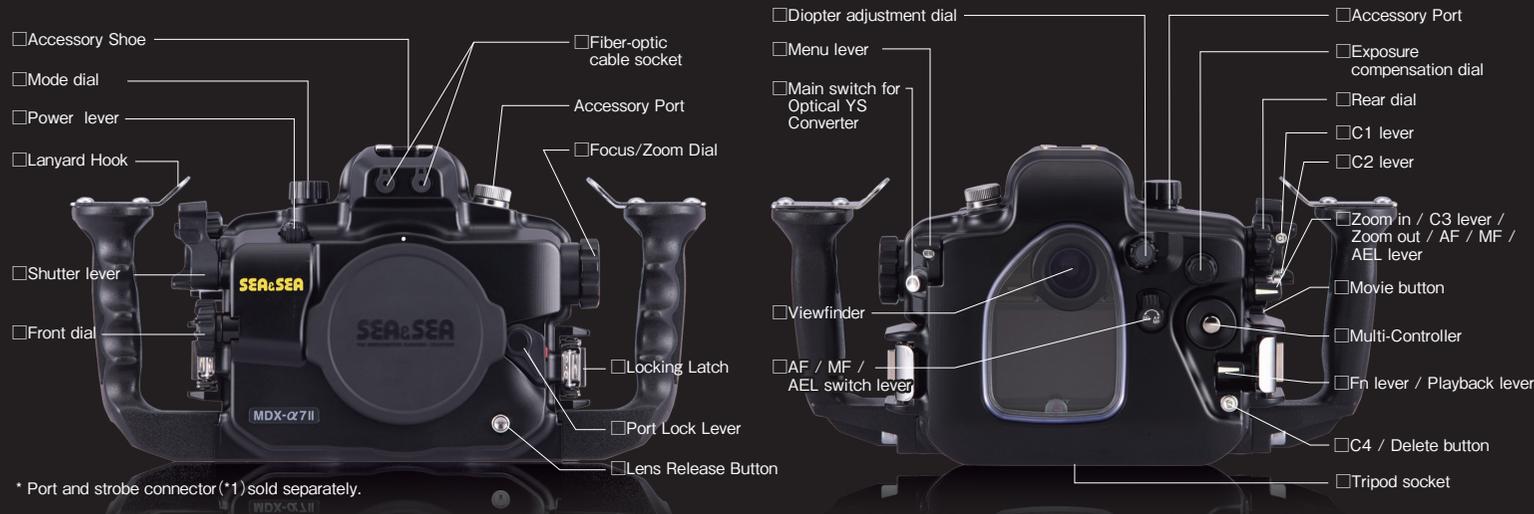
# MDX-α7 II NEW

Housing for the SONY a7R II / a7 II is compatible with Optical YS Converter.

**MDX-α7 II Housing (Black) (Housing only) [06176] Spare O-ring Set [62144]**

[Dimensions (WxHxD)] 325 x 160 x 104mm / 12.8 x 6.3 x 4.1 inches [Weight] Approx. 2,250g / 79.4oz. - Without grips: 1,860g / 65.6oz  
 [Depth rating] 100m / 330ft [Construction] Body: corrosion-resistant aluminum alloy (machined) / Grip: corrosion-resistant die-cast aluminum alloy

Compatible with  
Optical YS Converter



\* Port and strobe connector (\*1) sold separately.

## The Optical YS Converter can be installed in the housing

Compatible with new Optical YS Converter/S1 for MDX housing which converts the camera's TTL signal to a light signal. Both TTL and manual strobe photography is possible using a Fiber-Optic Cable II.

\* This converter requires special installation. Please contact your local SEA&SEA service center for further details.

\*Fiber-Optic Cable II is required when using the Optical YS Converter.

\* SONY's own shoe adapter "ADP-MAA" is required to connect the camera and the Optical YS Converter.

## Compatible with both the VF180 1.2x and VF45 1.2x viewfinders

By attaching the VF180 (#46112) or the VF45 prism viewfinders (#46111) (magnification ratio of 1.2x) to the housing, the magnification increases by 1.2x and entire field of view can be seen at the same time. Recommended for users committed to strict composition and focusing.

\* Some vignetting occurs.

## Diopter-adjustment dial

The camera's diopter-adjustment dial can be operated from the housing. This feature is effective when two or more people (with different eyesight) use the housing.



TTL mode shown by blue light . (simulated image)

Manual mode shown by green light. (simulated image)



With the VF180 1.2x mounted



With the VF45 1.2x mounted

**Anti-Reflective Ring M72 (#52139)**  
 Prevents reflection inside compatible Dome Port when used with SEL1635Z lens. The ring prevents unnecessary reflection inside a compatible port.



The camera's LCD monitor can be tilted up to 10 degrees.

The housing has two accessory ports. One is designed for N-type (two-pin connected) strobe connector and the other is designed for HDMI output.

Major controls, including levers and buttons, will glow in dark conditions.

When the focus/zoom dial is pulled out, the gear inside the housing moves outward and allows large diameter lenses to be easily mounted.

The front dial, rear dial, diopter-adjustment dial and AF/MF/AEL switch lever all have spring-loaded dampers to provide secure operation.

Equipped with two fiber-optic cable sockets.

All camera functions can be used underwater.

Front case equipped with a lens-lock release button. This allows lenses to be changed easily without opening the housing.

Equipped with two sacrificial zinc diodes (one on the front case and the other on the rear) to avoid electrolysis damage.

**Sacrificial Zinc Anode (2 pieces) (#46116)**

Built-in leak sensor immediately alerts you to water ingress.

\*1 The housing is not equipped with a strobe connector when shipped from the factory. Use (a) Fiber-optic Cable(s) when connecting external strobe(s). Optional Sync Cord 2-pin Connector (#50122) is required if you wish to use a conventional hardwired Sync cable.

U/W Housing for OLYMPUS OM-D E-M5 Mark II

# MDX-EM5 Mark II NEW

Housing for Olympus OM-D E-M5 Mark II mirrorless camera, featuring the most sophisticated image stabilizer with 5-axis VCM (voice coil motor) system.

**MDX-EM5 Mark II Housing (Black) (Housing only) [06177] Spare O-ring Set [62144]**

[Dimensions (WxHxD)] 215 x 166 x 122mm / 8.6 x 6.5 x 4.8 inches [Weight] Approx. 1,600g / 56.4oz (without grips) / 2,070g / 73.0oz (with Ergo Grips ver.2 fitted)

[Depth rating] 100m / 330ft [Construction] Body: corrosion-resistant aluminum alloy (machined)



\* Port and grips sold separately.

## Equipped with two fiber-optic cable sockets

External strobes can be connected through fiber-optic cables. The Olympus FL-LM3 flash can be used to trigger external strobes and can be switch ON/OFF from the housing.



## Compatible with both the VF180 1.2x and VF45 1.2x viewfinders

By attaching the VF180 (#46112) or the VF45 prism viewfinders (#46111) (magnification ratio of 1.2x) to the housing, the magnification increases by 1.2x and entire field of view can be seen at the same time. Recommended for users committed to strict composition and focusing.

\* Some vignetting occurs.



With the VF180 1.2x mounted



With the VF45 1.2x mounted

## Three grip options available

Ergo Grip ver.2 (#22137) can be fitted to the housing using standard accessories, Grip Brackets L/R. In addition, Grip-Stay L II (#22128) or SA8 Camera Tray + Grip (#22118) can also be attached to the housing using the tripod screw holes (x3) on the underside of the housing.



With the Ergo Grip ver.2 mounted



With the Grip-Stay L II mounted



With the SA8 Camera Tray + Grip mounted

Major controls, including levers and buttons, will glow in dark conditions.

When the focus/zoom dial is pulled out, the gear inside the housing moves outward and allows large diameter lenses to be easily mounted.

The rear dial, the mode dial, and the flash ON/OFF dial have spring-loaded dampers to provide secure operation.

Front case equipped with a lens-lock release button. This allows lenses to be changed easily without opening the housing.

The port lock can be activated (lock and unlock) from outside the housing.

Equipped with two sacrificial zinc anodes (one on the front case and the other on the rear) to avoid electrolysis damage.

### Sacrificial Zinc Anode (2 pieces) (#46116)

Equipped with the Optical Viewfinder 0.5x as standard. Other optional viewfinders may be used.

Leak sensor immediately alerts you to water ingress. (Optional)

### Optional Leak Sensor (#46115)



The sensor immediately alerts you to any water leakage when the super-bright LED lights up.

MDX Series

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U/W Housing for Canon EOS 7D Mark II

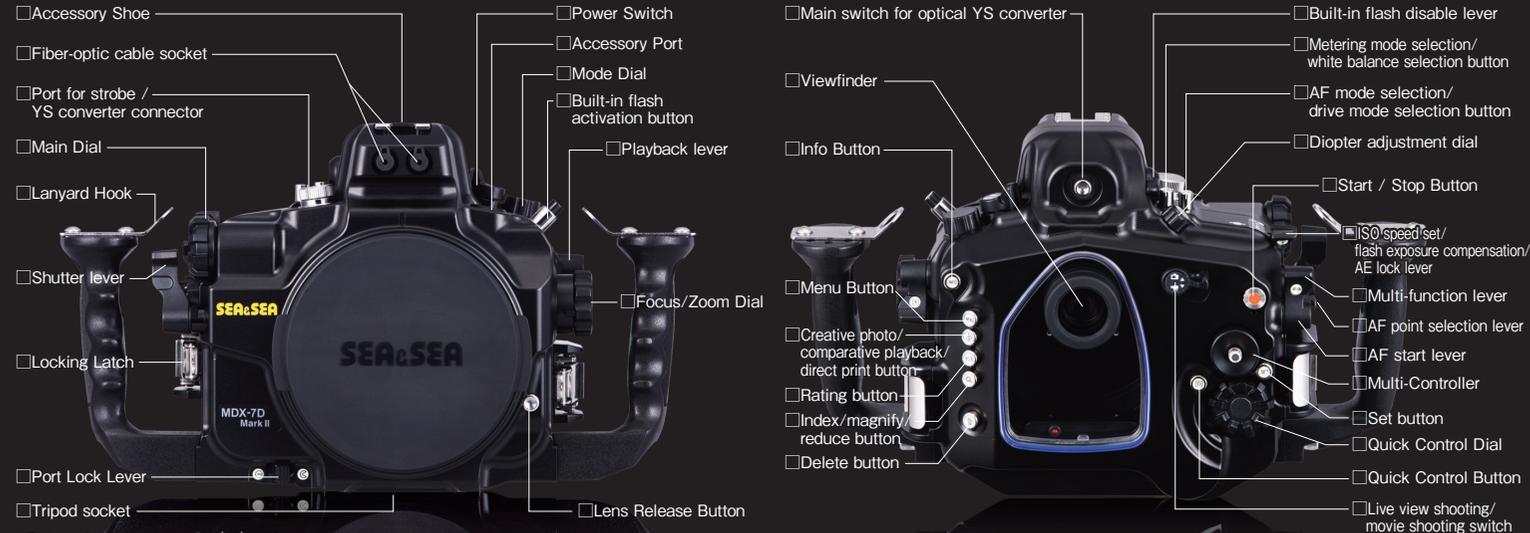
# MDX-7D Mark II

The new MDX-7D Mark II, for the Canon EOS 7D Mark II, has newly designed controls and is compatible with the Optical YS Converter.

**MDX-7D Mark II Housings (Black) (Housing only) [06175] Spare O-ring [62148]**

[Dimensions (WxHxD)] 341 x 198 x 141.5mm / 13.4 x 7.8 x 5.6 inches [Weight] Approx. 3,000g / 105.8oz (Housing only) [Depth rating] 100m / 330ft [Construction] Body: corrosion-resistant aluminum alloy (machined) / Grip: corrosion-resistant die-cast aluminum alloy

Compatible with Optical YS Converter



\* Port and strobe connector (\*1) sold separately.

## Optical YS Converter/C can be built into the housing

Compatible with new Optical YS Converter/C2 for MDX housing (#50142) which converts the camera's hot-shoe TTL signal to a light signal. Both TTL and manual strobe modes can be used and controlled from the housing using a Fiber-Optic Cable II.

\* Fiber-Optic Cable II is required when using the Optical YS Converter.



Manual mode shown by green light. (simulated image)

TTL mode shown by blue light. (simulated image)

## Compatible with both the VF180 1.2x and VF45 1.2x viewfinders

By attaching the VF180 (#46112) or the VF45 prism viewfinders (#46111) (magnification ratio of 1.2x) to the housing, the magnification increases by 1.2x and entire field of view can be seen at the same time. Recommended for users committed to strict composition and focusing.



With the VF180 1.2x mounted



With the VF45 1.2x mounted

## Luminescent stickers

Major controls, including levers and buttons, will glow in dark conditions.



The camera's diopter adjustment dial can be operated from the housing. This feature is effective when two or more people (with different eyesight) use the housing.



When the focus/zoom dial is pulled out, the gear inside the housing will move outward allowing for lenses with large diameters to be easily mounted.

The main dial, quick control dial, diopter adjustment dial and live view/movie lever have a spring-loaded damper to provide secure operation. (Camera controls will not slip because of the dampers).

The shutter sensitivity can be adjusted by changing the location of the adjust plate.

The housing has two accessory ports. One is designed for N-type strobe connector and the other one is designed for HDMI output.

Equipped with two sacrificial zinc diodes (one on the front case and the other on the rear) to avoid electrolysis damage.

### Sacrificial Zinc Anode (2 pieces) (#46116)

Built-in leak sensor immediately alerts you to water ingress.

\*1 The housing is not equipped with a strobe connector when shipped from the factory. Use (a) Fiber-optic Cable(s) when connecting external strobe(s). Optional Sync Cord 2-pin Connector (#50122) is required if you wish to use a conventional hardwired Sync cable.

U/W Housing for Canon EOS 5D Mark III / EOS 5Ds / EOS 5DsR

# MDX-5D Mark III ver.2

The new MDX-5D Mark III ver. 2, for the Canon EOS 5D Mark III / 5Ds / 5DsR, has newly designed controls and is compatible with the Optical YS Converter.

**MDX-5D Mark III ver.2 Housings (Black) (Housing only) [06174] Spare O-ring [62148]**

[Dimensions (WxHxD)] 341 x 198 x 140.5mm / 13.4 x 7.8 x 5.5 inches [Weight] Approx. 3,155g / 111.3oz. (Housing only) [Depth rating] 100m / 330ft [Construction] Body: corrosion-resistant aluminum alloy (machined) / Grip: corrosion-resistant die-cast aluminum alloy

Compatible with Optical YS Converter



\*Port is sold separately.

## Optical YS Converter/C can be built into the housing

Compatible with new Optical YS Converter/C1 for MDX housing (#50136) which converts the camera's TTL signal to a light signal. Both TTL and manual strobe photography is possible using a Fiber-Optic Cable II.

\* Fiber-Optic Cable II is required when using the Optical YS Converter.  
\* Optical YS Converter /C with serial number 00050 or less has to be downloaded with the latest firmware.



## Compatible with both the VF180 1.2x and VF45 1.2x viewfinders

By attaching the VF180 (#46112) or the VF45 (#46111) (magnification ratio of 1.2x) to the housing, the magnification increases by 1.2x and entire field of view can be seen at the same time. Recommended for users committed to strict composition and focusing.



With the VF180 1.2x mounted



With the VF45 1.2x mounted

## Luminescence stickers

Major controls including levers and buttons will glow in dark environments.



In addition to the standard controls, the AF Start lever may also be used for focus lock. Utilize the Focus Lock feature to allow yourself to concentrate on releasing the shutter at that crucial moment.

The main dial, the quick control dial and diopter adjustment dial have a damper (spring) to provide secure operation. (Controls on the cameras will not slip because of the damper.)

Equipped with two sacrificial zinc anodes (one on the front case and the other on the rear) to avoid electrolysis damage.

**Sacrificial Zinc Anode (2 pieces) (#46116)**

Built-in leak sensor immediately alerts you to water ingress.

## Compatibility of the MDX-5D Mark III ver.2 with CANON EOS 5Ds or 5DsR cameras

If your housing's serial number is between 143100001 and 143100125, modification at a SEA&SEA official service centre will be required to use the CANON EOS 5Ds or 5DsR cameras in the housing. If you wish to have the housing modified to accommodate a CANON EOS 5Ds or 5DsR camera, please contact an official SEA&SEA dealer near you.

## Compatible Optical YS Converters

The Optical YS Converter/C2 for MDX housings is compatible.

The Optical YS Converter/C1 for MDX housings can be made compatible by updating with the C2 firmware.

U/W Housing for Canon EOS 70D

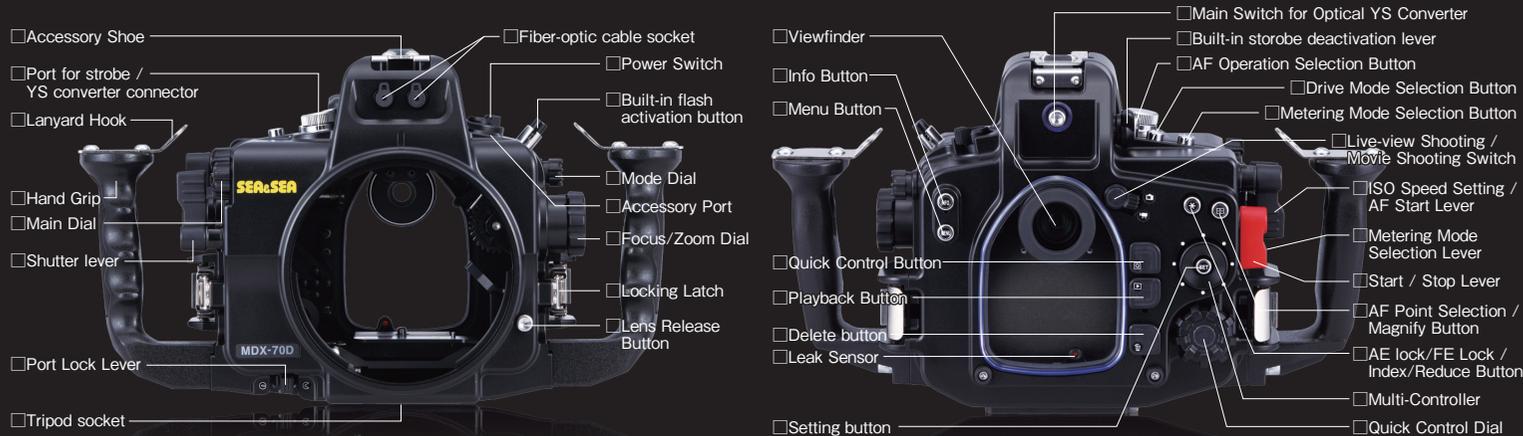
# MDX-70D

Compatible with Optical YS Converter, MDX housing for Canon EOS 70D.

MDX-70D Housing (Black) (Housing only) [06169] Spare O-ring [62148]

[Dimensions (WxHxD)] 337 x 191 x 140mm / 13.3 x 7.5 x 5.5 inches [Weight] Approx. 2,700g / 94.5oz.(Housing only) [Depth rating] 100m / 330ft  
 [Construction] Body: corrosion-resistant aluminum alloy (machined) / Grip: corrosion-resistant die-cast aluminum alloy

Compatible with  
Optical YS Converter



\*Port and strobe connector (\*1) sold separately.

## Optical YS Converter/C can be built into the housing

Compatible with new Optical YS Converter/C1 for MDX housing (#50136) which converts the camera's hot-shoe TTL signal to a light signal. Both TTL and manual strobe modes can be used and controlled from the housing using a Fiber-Optic Cable II.

\* Fiber-Optic Cable II is required when using the Optical YS Converter.



TTL mode shown by blue light. (simulated image)



Manual mode shown by green light. (simulated image)

## Compatible with both the VF180 1.2x and VF45 1.2x viewfinders

By attaching the VF180 (#46112) or the VF45 prism viewfinders (#46111) (magnification ratio of 1.2x) to the housing, the magnification increases by 1.2x and entire field of view can be seen at the same time. Recommended for users committed to strict composition and focusing.



With the VF180 1.2x mounted



With the VF45 1.2x mounted

## The multi selector (which is often used under water) is the same design as the camera control and can be operated in eight directions in the same way

The multi selector is located on the very right hand side of the rear case so that it is easily accessible and operated with your hand on the grip.



Equipped with two fiber-optic cable sockets. With the camera's built-in flash raised and fiber-optic cables fitted, external strobes can be triggered as "slave units" by the built-in flash.

Port can be replaced without opening the housing.

The camera's built-in flash can be activated and deactivated from the housing. (When the accessory light-shielding plate is fixed, this function cannot be used).

Equipped with Accessory Port which can be used for HDMI output.

Equipped with two sacrificial zinc diodes (one on the front case and the other on the rear) to avoid electrolysis damage.

Sacrificial Zinc Anode (2 pieces) (#46116)

The shutter release lever tension can be adjusted in 2 steps with a spring.

Built-in leak sensor immediately alerts you to water ingress.

\*1 The housing is not equipped with a strobe connector when shipped from the factory. Use (a) Fiber-optic Cable(s) when connecting external strobe(s). Optional Sync Cord 2-pin Connector (#50122) is required if you wish to use a conventional hardwired Sync cable.

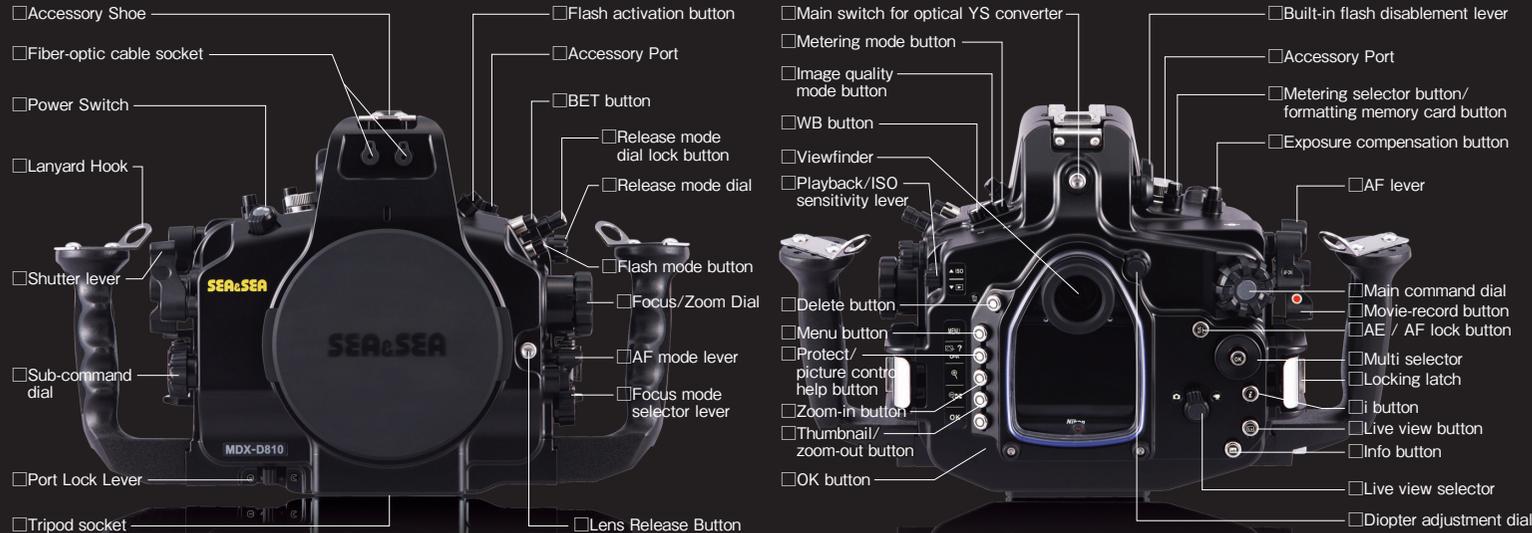
U/W Housing for Nikon D810

# MDX-D810

The new MDX-D810, for the Nikon D810, has newly designed controls and is compatible with the Optical YS Converter.

**MDX-D810 Housing (Black) (Housing only)** 06173 **Spare O-ring Set** 62146

[Dimensions (WxHxD)] 354 x 210 x 141mm / 13.9 x 8.3 x 5.6 inches [Weight] Approx. 3,200g / 112.9oz (Housing only) [Depth rating] 100m / 330ft  
 [Construction] Body: corrosion-resistant aluminum alloy (machined) / Grip: corrosion-resistant die-cast aluminum alloy



\*Port and strobe connector (\*1) sold separately.

## Optical YS Converter/N can be built into the housing

Compatible with new Optical YS Converter/N1 for MDX housing (#50126) which converts the camera's TTL signal to a light signal. Both TTL and manual strobe photography is possible using a Fiber-Optic Cable II.

\* Fiber-Optic Cable II is required when using the Optical YS Converter.



## Compatible with both the VF180 1.2x and VF45 1.2x viewfinders

By attaching the VF180 (#46112) or the VF45 prism viewfinders (#46111) (magnification ratio of 1.2x) to the housing, the magnification increases by 1.2x and entire field of view can be seen at the same time. Recommended for users committed to strict composition and focusing.



With the VF180 1.2x mounted



With the VF45 1.2x mounted

## Luminescence stickers

Major controls including levers and buttons will glow in dark environments.



When the focus/zoom dial is pulled out, the gear inside the housing will move outward allowing for lenses with large diameters to be easily mounted.

The main command dial, the sub command dial, shutter release mode dial and diopter adjustment dial have a damper (spring) to provide secure operation. (Controls on the cameras will not slip because of the damper.)

A new design for the shutter lever, AF mode lever, the AF-ON lever, and the movie-record lever has improved the levers ergonomic shape.

The housing has two accessory ports. One is designed for N-type strobe connector and the other one is designed for HDMI output.

The multi selector has been positioned on the right side of the rear case making it easily accessible while holding the grip and operating the camera.

The camera's built-in flash can be activated and deactivated from the housing. (Only when the accessory light-shielding plate is not in use).

Equipped with two sacrificial zinc diodes (one on the front case and the other on the rear) to avoid electrolysis damage.

Equipped with two sacrificial zinc diodes (one on the front case and the other on the rear) to avoid electrolysis damage.

## Sacrificial Zinc Anode (2 pieces) (#46116)

Built-in leak sensor immediately alerts you to water ingress.

\*1 The housing is not equipped with a strobe connector when shipped from the factory. Use (a) Fiber-optic Cable(s) when connecting external strobe(s). Optional Sync Cord 2-pin Connector (#50122) is required if you wish to use a conventional hardwired Sync cable.

U/W Housing for Nikon D7100 / D7200

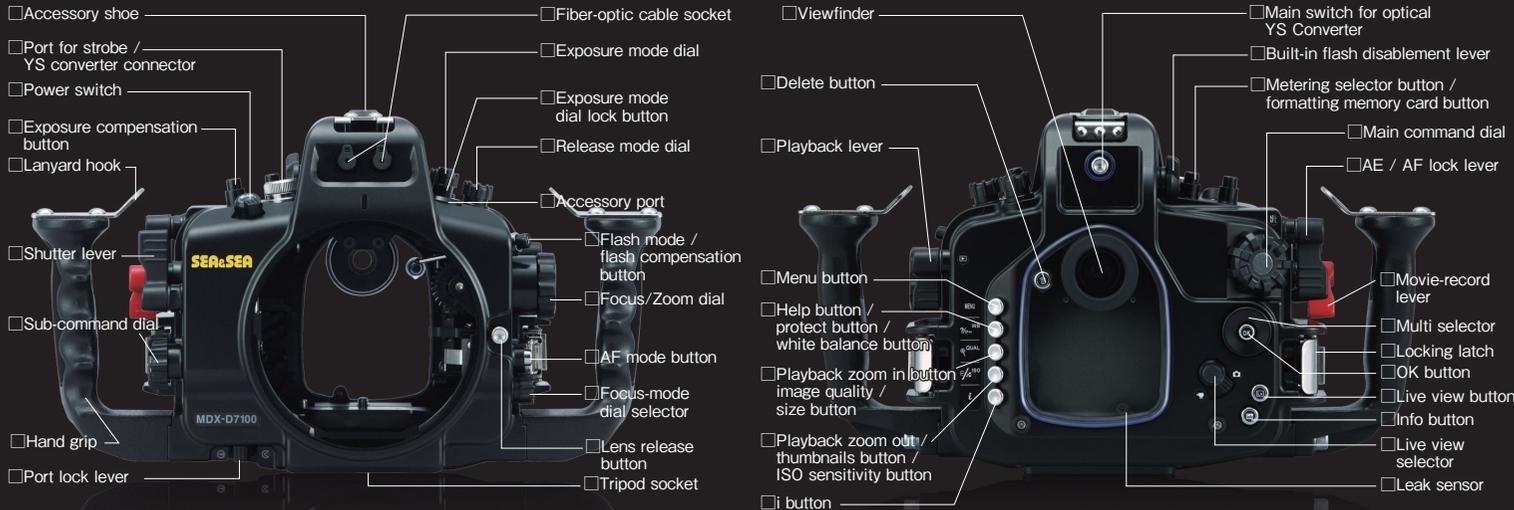
# MDX-D7100

**Compatible with new Optical YS Converter.**  
**Housing for Nikon D7100 and D7200; Nikon's topnotch DX-format SLR camera.**

**MDX-D7100 Housing (Black) (Housing only) [06167] Spare O-ring Set [62147]**

[Dimensions (WxHxD)] 341x192x136mm / 13.4x7.6x5.4 inches [Weight] 2,700g / 94.5oz. (Housing only) [Depth rating] 100m / 330ft  
 [Construction] Body: corrosion-resistant aluminum alloy (machined) / Grip: corrosion-resistant die-cast aluminum alloy

Compatible with  
 Optical YS Converter



\*Port and strobe connector (\*1) sold separately.

## Optical YS Converter/N can be built into the housing

Compatible with new Optical YS Converter/N1 for MDX housing (#50126) which converts the camera's TTL signal to a light signal. Both TTL and manual strobe photography is possible using a Fiber-Optic Cable II.

\* Fiber-Optic Cable II is required when using the Optical YS Converter.

## Compatible with both the VF180 1.2x and VF45 1.2x viewfinders

By attaching the VF180 (#46112) or the VF45 prism viewfinders (#46111) (magnification ratio of 1.2x) to the housing, the magnification increases by 1.2x and entire field of view can be seen at the same time. Recommended for users committed to strict composition and focusing.

## Port can be replaced without opening the housing

Port lock can be now activated from outside the housing. The housing is also equipped with a 'lens-lock release' button which allows the lens to be replaced without opening the housing. The port lock can also be activated from inside like previous SEA&SEA housings.

Equipped with two fiber-optic cable sockets. With the camera's built-in flash raised and fiber-optic cables fitted, external strobes can be triggered as 'slave units' by the built-in flash.

The multi selector (which is often used underwater) is the same design as the camera control and can be operated in the same way. AF areas and Focus points can be changed by depressing the selector. The multi selector control is located so that it is accessible with your hand on the grip.

The camera's built-in flash can be activated and deactivated from the housing. (When the accessory light-shielding plate is fixed, this function cannot be used).

Equipped with Accessory Port which can be used for HDMI output.

Built-in leak sensor immediately alerts you to water ingress.

\*1 The housing is not equipped with a strobe connector when shipped from the factory. Use (a) Fiber-optic Cable(s) when connecting external strobe(s). Optional Sync Cord 2-pin Connector (#50122) is required if you wish to use a conventional hardwired Sync cable.



TTL mode shown by blue light. (simulated image)



Manual mode shown by green light. (simulated image)



With the VF180 1.2x mounted



With the VF45 1.2x mounted





The best time to shoot marine creatures' spawning behavior is just before sunset. A pair of rusty angelfish were 'nuzzling' which is a sign they were just about to begin spawning. In order not to disturb the pair, I kept a certain distance and fired the strobes continuously with a rather small light level. The roe spawned by the female rusty angelfish is excellently and clearly depicted. The strobe is the best suitable for shooting such marine creature behavior.

Equipment used: MDX-5D Mark III, YS-D2 (with diffuser 100 mounted) x2 and EF 100mm Macro IS USM. 1/160 sec, F5.0, ISO 200. Location: Kume Island, Japan. Photo by Kyu Furumi.

## Samples of systems

### ▶ MDX-RX100III System Samples



- MDX-RX100III Housing
- YS-D1 \*discontinued
- Fiber-Optic Cable II M/2 Connectors
- SA8 (SA8 Double Ball Arm S / SA8 Ball Clamp x 2 / SA8 Fixed Ball Base)

### ▶ MDX-α6000 System Samples



- MDX-α6000 Housing
- ML Flat Port 33
- YS-01
- YS-02 \*discontinued
- Fiber-Optic Cable II S/2 Connectors x 2
- SA8 (SA8 Strobe Head S x 2 / SA8 Fixed Ball Base x 2 / SA8 Double Ball Arm S x 2 / SA8 Ball Clamp x 4)

### ▶ MDX-α7 II System Samples



- MDX-α7 II Housing
- Optical YS Converter/S1
- ML Flat Port 33
- YS-03
- Fiber-Optic Cable II S/2 Connectors
- SA8 (SA8 Strobe Head S / SA8 Double Ball Arm S / SA8 Ball Clamp x 2 / SA8 Fixed Ball Base)



- MDX-RX100III Housing
- M67 Wide-angle Conversion Lens 0.6x
- Lens Caddy for M67 Wide-angle Conversion Lens
- YS-D1 x 2 \*discontinued
- YS-01 x 2 (one used as target light)
- Fiber-Optic Cable II M/2 Connectors x 2
- SA8 (SA8 Double Ball Arm Sx2 / SA8 Ball Clamp x 5 / SA8 Ball Base For Accessory shoe / SA8 Fixed Ball Base x 2 / SA8 Camera Tray + Grip / SA8 Camera Tray Adapter / SA8 Extra Grip)



- MDX-α6000 Housing
- ML Dome Port
- YS-D1 x 2 \*discontinued
- Fiber-Optic Cable II M/2 Connectors x 2
- SA8 (SA8 Double Ball Arm S x 2 / SA8 Ball Clamp x 4 / SA8 Fixed Ball Base x 2 / SA8 Camera Tray & Grip / SA8 Camera Tray Adapter / SA8 Extra Grip)



- MDX-α7 II Housing
- Optical YS Converter/S1
- ML Extension Ring 25
- ML Dome Port
- YS-D2x2
- Fiber-Optic Cable II S/2 Connectors
- Fiber-Optic Cable II M/2 Connectors
- SA8 (SA8 Double Ball Arm Sx2 / SA8 Ball Clampx4 / SA8 Fixed Ball Basex2)

▶ MDX-EM5 Mark II System Samples



- MDX-EM5 Mark II Housing
- ML Flat Port 63
- YS-03 x 2
- Fiber-Optic Cable II M/2 Connectors x 2
- SA8 (SA8 Strobe Head S x 2 / SA8 Double Ball Arm S x 2 / SA8 Ball Clamp x 4 / SA8 Fixed Ball Base x 2 / SA8 Camera Tray + Grip / SA8 Camera Tray Adapter / SA8 Extra Grip)

▶ MDX-7D Mark II System Samples



- MDX-7D Mark II Housing
- DX Macro Port 87
- YS-03 x 2
- Fiber-Optic Cable II S/2 Connectors x 2
- SA8 (SA8 Strobe Head S x 2 / SA8 Ball Clamp x 2 / SA8 Fixed Ball Base x 2)

▶ MDX-D810 System Samples



- MDX-D810 Housing
- DX Macro Port 87
- YS-D2 x 2
- Fiber-Optic Cable II S/2 Connectors
- Fiber-Optic Cable II M/2 Connectors
- SA8 (SA8 Strobe Head S / SA8 Strobe Head M / SA8 Double Ball Arm S x 2 / SA8 Ball Clamp x 4 / SA8 Fixed Ball Base x 2)



- MDX-EM5 Mark II Housing
- Ergo Grip ver.2
- ML Flat Port 33
- ML Extension Ring 25
- YS-D2 x 2
- Fiber-Optic Cable II M/2 Connectors x 2
- SA8 (SA8 Double Ball Arm S x 2 / SA8 Ball Clamp x 4 / SA8 Fixed Ball Base x 2)



- MDX-7D Mark II Housing
- NX Compact Dome Port
- YS-D2 x 2
- Fiber-Optic Cable II M/2 Connectors
- Fiber-Optic Cable II L/2 Connectors
- SA8 (SA8 Double Ball Arm M / SA8 Double Ball Arm L / SA8 Ball Clamp x 4 / SA8 Fixed Ball Base x 2)



- MDX-D810 Housing
- NX Compact Dome Port
- YS-D2 x 2
- Fiber-Optic Cable II S/2 Connectors
- Fiber-Optic Cable II M/2 Connectors
- SA8 (SA8 Double Ball Arm S x 2 / SA8 Ball Clamp x 4 / SA8 Fixed Ball Base x 2)

# Ports

## ► Dome Ports

### ML Dome Port

[30121]

For Mirrorless Camera Housings

Acrylic dome port for mirrorless interchangeable camera housings

[Dimensions (DIAxD)]  
154 x 72 mm / 6.1 x 2.8 inches  
[Weight] 280g / 9.9oz.  
[Depth rating] 80m / 260ft  
[Construction] corrosion-resistant aluminum alloy (anodized), acrylic (dome) and ABS (shade)



### Fisheye Dome Port 240

[30116]

This high quality dome port is very versatile and suitable for various wide-angle full frame lenses.

\* Image aberration is rarely apparent.

[Dimensions (DIAxD)]  
250x104mm / 10x4.2inches  
[Weight]  
Approx. 1,270g / 44.5oz  
[Depth rating] 80m / 262ft



### NX Compact Dome Port

[56601]

[Dimensions (DIAxD)]  
174x79.5mm / 7x3.2inches  
[Weight]  
Approx. 410g / 14.4oz  
[Depth rating] 60m / 200ft



### CX Compact Dome Port

[46100]

[Dimensions (DIAxD)]  
174x87mm / 7x3.5inches  
[Weight] Approx. 360g / 12.6oz  
[Depth rating] 60m / 200ft



### Port and Ring gear set for Canon EF 11-24mm F4L USM

[30131]

NEW

The set consists of: Fisheye Dome Port 240 for EF 11-24mm F4L USM, Conversion Ring 25 for EF 11-24mm F4L USM, NX Dome Port Cover, Zoom Gear for EF 11-24mm F4L USM and Rear Port Cover (L).

\* Extension Ring 40L (#30125) is also required in order to use the port and zoom gear set.

\* Auto focus only (manual focus not possible).



## ► Port Bases

### RDX Port Base S

[30108]

[Dimensions (DIAxD)]  
102x15mm / 4.1x0.6inches  
[Weight] Approx. 90g / 3.2oz  
[Depth rating] 100m / 330ft  
distance between the mount and the front end : 11.2mm / 0.4 inch



### RDX Port Base L

[30109]

[Dimensions (DIAxD)]  
132x55mm / 5.3x2.2inches  
[Weight] Approx. 300g / 10.5oz  
[Depth rating] 100m / 330ft  
distance between the mount and the front end : 31.2mm / 1.2 inches



### NX Compact Macro Port Base

[56201]

[Dimensions (DIAxD)]  
132x66.5mm / 5.3x2.7inches  
[Weight] Approx. 290g / 10.2oz  
[Depth rating] 100m / 330ft  
distance between the mount and the front end : 50mm / 2.0 inches



## ► Wide Port

### Compact Wide Port L

[30103]

[Dimensions (DIAxD)]  
154.5x57.8mm / 6.2x2.3inches  
[Weight]  
Approx. 680g / 23.8oz  
[Depth rating] 100m / 330ft  
distance between the mount and the inner glass surface : 20.7mm / 0.8inch



## ► Macro Ports

### DX Macro Port 52

[30111]

The port has a M67 screw mount on the front.

[Dimensions (DIAxD)]  
132x62.5mm / 5.3x2.5inches  
[Weight] Approx. 360g / 12.7oz  
[Depth rating] 100m / 330ft  
distance between the mount and the inner glass surface : 34mm / 1.3 inches



### DX Macro Port 87

[30119]

Macro port designed for; Canon EF100mm IS USM / EF 100mm F2.8 Macro USM, AF-S VR Micro Nikkor ED105mm F2.8G (IF) / AF-S DX Micro Nikkor 85mm F3.5G ED VR. This port accommodates listed lenses without additional port-base or extension ring. Port has M67 screw mount.

[Dimensions (DIAxD)]  
128x120.5mm / 5.0x4.7inches  
[Weight] Approx. 505g / 17.8 oz.  
[Depth rating] 100m / 330ft  
distance between the port mount and inner glass surface: 87mm / 3.4 inches



### Compact Macro Port S II (35)

[30112]

The port has a M67 screw mount on the front.

[Required component]  
NX Compact Macro Port Base  
[Dimensions (DIAxD)]  
103x54mm / 4.1x2.2inches  
[Weight] Approx. 210g / 7.4oz  
[Depth rating] 100m / 330ft  
distance between the mount and the inner glass surface: 35mm / 1.4 inches



### Compact Macro Port 52

[56241]

[Dimensions (DIAxD)]  
102.5x68mm / 4.1x2.7inches  
[Weight] Approx. 259g / 9.1oz  
[Depth rating] 100m / 330ft  
[Construction] Corrosion-resistant aluminum alloy (alumite coating) + Tempered glass  
distance between the mount and the inner glass surface: 38.5mm / 1.5 inches



### Compact Macro Port 111

[56261]

[Dimensions (DIAxD)]  
102.5x127mm / 4.1x5.1inches  
[Weight] Approx. 342g / 12oz  
[Depth rating] 100m / 330ft  
distance between the mount and the inner glass surface: 97.5mm / 3.8 inches



## ► Standard Ports

### ML Flat Port 33

[30120]

For Mirrorless Camera Housings

For mirrorless interchangeable camera housings. The port has an M67 screw mount on the front.

[Dimensions (DIAxD)]  
93 x 59mm / 3.7 x 2.3 inches  
[Weight] 220g / 7.8 oz.  
[Depth rating] 100m / 330ft  
Distance between the port mount and the inner glass surface: 33mm / 1.3 inches



### ML Flat Port 63

[30128]

For Mirrorless Camera Housings

NEW

[Dimensions (DIAxD)]  
104 x 84mm / 4.1 x 3.3 inches  
[Weight] 337g / 11.9 oz  
[Depth rating] 100m / 330ft  
[Construction] Corrosion-resistant aluminum alloy (anodized, anti-reflection coating on inner surface)  
[Distance] Between the port mount and inner glass surface : 63mm / 2.5 inches



### RDX Standard Port

[30107]

[Dimensions (DIAxD)]  
140x90mm / 5.6x3.6inches  
[Weight] Approx. 500g / 17.5oz  
[Depth rating] 100m / 330ft  
distance between the mount and the inner glass surface : 80.2mm / 3.2 inches



## ► Extension Rings

### ML-NX Conversion Ring 30

[30126]

For Mirrorless Camera Housings

NEW

ML-NX Conversion Ring, when used, allows for the use of NX ports and extension rings on ML housings.

[Dimensions (DIAxD)] 133 x 41.2mm / 5.2 x 1.6 inches  
[Weight] Approx. 199g / 7.0 oz  
[Depth rating] 100m / 330ft  
[Construction] Corrosion-resistant aluminum alloy (alumite coating)  
[Distance] Between the mount and the front end: 30mm / 1.2 inches (with port lock)



### ML Extension Ring 25

[30122]

For Mirrorless Camera Housings

Extension ring for mirrorless interchangeable lens cameras (equipped with port lock).

[Dimensions (DIAxD)]  
97 x 36mm / 3.8 x 1.4 inches  
[Weight] Approx. 111g / 3.9 oz  
[Depth rating] 100m / 330ft  
[Construction] Corrosion-resistant aluminum alloy (alumite coating)  
distance between the mount and the front end: 25mm / 1.0 inches



# Accessories

## Extension Ring 46 with Focus Knob 30117

Extension Ring 46 with Focus Knob, provides manual focus for compatible zoom lenses. (Extension ring equipped with port lock).  
 [Dimensions (DIAxD)] 132x61.4mm / 5.2x2.4inches (excluding protruding parts)  
 [Weight] Approx. 525g / 18.5oz  
 [Depth rating] 100m / 330ft  
 distance between the mount and the front end: 46mm / 1.8 inches  
 Use of the Left Grip Extension (#46117) is recommended. This will move the location of the Left Hand Grip forward.



## Extension Ring 20L 30123

[Dimensions (DIAxD)] 129 x 35.5mm / 5.1 x 1.4 inches  
 [Weight] Approx. 154g / 5.4 oz  
 [Depth rating] 100m / 330ft  
 [Construction] Corrosion-resistant aluminum alloy (alumite coating)  
 [Distance] Between the mount and the front end: 20mm / 0.8 inches (with port lock)



## Extension Ring 30L 30124

[Dimensions (DIAxD)] 129 x 45.5mm / 5.1 x 1.8 inches  
 [Weight] Approx. 194g / 6.8 oz  
 [Depth rating] 100m / 330ft  
 [Construction] Corrosion-resistant aluminum alloy (alumite coating)  
 [Distance] Between the mount and the front end: 30mm / 1.2 inches (with port lock)



## Extension Ring 40L 30125

[Dimensions (DIAxD)] 129 x 55.5mm / 5.1 x 2.2 inches  
 [Weight] Approx. 234g / 8.3 oz  
 [Depth rating] 100m / 330ft  
 [Construction] Corrosion-resistant aluminum alloy (alumite coating)  
 [Distance] Between the mount and the front end: 40mm / 1.6 inches (with port lock)



### (Reference) Distance between housing port mount and camera's lens mount;

MDX housings for Canon Digital SLR cameras	: 39.3mm / 1.5 inches
MDX housings for Nikon Digital SLR cameras	: 35.3mm / 1.4 inches
MDX housing for Sony interchangeable lens camera	: 24mm / 0.9 inch
MDX housing for Olympus interchangeable lens camera	: 26mm / 1.0 inch
RDX housings for Canon Digital SLR cameras	: 30.3mm / 1.2 inches
RDX housing for Nikon Digital SLR camera	: 30.3mm / 1.2 inches

## ViewFinder

### VF180 1.2x 46112



Straight prism viewfinder compatible with both the RDX and MDX series housings. Can be attached to the housing by replacing the original viewfinder. The magnification ratio is 1.2x without sacrificing the field of view. As the VF180 1.2x is straight finder, you can compose your images as if you are looking directly through the camera's viewfinder. Its 8 element 6 group optical lenses reproduce natural colors. The viewfinder is filled with nitrogen gas to prevent condensation and fogging. The eyepiece guard helps provide a clear view as it does not allow light to enter the viewfinder.

[Construction] corrosion-resistant aluminum alloy (anodized body (Black))  
 [Depth rating] 100m / 330ft  
 [Dimensions (DIAxD)] 45x111mm / 1.8x4.4inches  
 [Weight] 275g / 9.6oz



\*The image is simulated.

### VF45 1.2x 46111



A 45° prism viewfinder (magnification: 1.2x). The optional VF45 Prism viewfinder replaces your housing's original viewfinder and offers superior vision. Covering the entire field of view, the VF45 enhances magnification by 1.2x and enables subtle framing and focusing of subjects. The eyepiece rotates 360° in increments of 90° to provide the ideal camera position in either landscape or portrait.

\*The viewfinder is not compatible with RDX series housings.  
 [Construction] corrosion-resistant aluminum alloy (anodized body (Black))  
 [Depth rating] 100m / 330ft  
 [Dimensions (WxHxD)] 57.5x98.7x96mm / 2.3x3.9x3.8inches  
 [Weight] 390g / 13.7oz



\*The image is simulated.

## YS Converters

- Optical YS Converter/N1 for MDX housing 50126
- Optical YS Converter/C1 for MDX housing 50136
- Optical YS Converter/C2 for MDX housing 50142
- Optical YS Converter/C1 for RDX housing 50137



A compact unit that converts the camera's TTL signal to a light signal. The converter can be mounted on the camera's accessory shoe and can be connected to (a) SEA&SEA strobe(s) with Fiber-Optic Cable(s) (\*1). TTL and manual modes can be switched by pushing the mode switch on the housing.

\*1 SEA&SEA's Fiber-Optic Cable II must be used with an Optical YS Converter.

[Controls] Power ON/Power OFF/TTL mode (indicated by blue lamp)/Manual mode (indicated by green lamp)  
 [Auto Power Off] The converter will automatically power off if the shutter lever or the mode switch is not activated for more than one hour.  
 [Power Source] 2 x AAA battery (Alkaline: 3.0V / Ni-MH: 2.4V)  
 [Power Source] (\*2) Alkaline: 15 hours / Mi-MH: 12 hours  
 [Weight] 154g / 5.4oz.

\*2 Operating time depends on the battery brand, temperature and frequency of use.

## Optional Sync Cord 2-pin Connector 50122



User replaceable 2-pin strobe connector and sync connector set. The connector set can be fixed after removing cap for accessory port.



\*The connector set is required to connect the YS series strobes via sync cord to SEA&SEA housings for digital SLR cameras which are equipped with accessory port as standard.

## Optional YS Converter / N 5-pin Connector 50123



User replaceable 5-pin strobe connector and sync connector set. The connector set can be fixed after removing cap for accessory port.

\*The connector set is required to connect the YS Converter / N to SEA&SEA housings for Nikon digital SLR cameras which are equipped with accessory port as standard.



## Optional YS Converter / C 6-pin Connector 50121



User replaceable 6-pin strobe connector and sync connector set. The connector set can be fixed after removing cap for accessory port.

\*The connector set is required to connect the YS Converter/C to SEA&SEA housings for Canon digital SLR cameras which are equipped with accessory port as standard.



# Accessories

## ► Stays, Arms & Accessories [SA8]

**Meticulously machined from a solid aluminum block, the Sea Arm 8 system is highly rigid, but at the same time, incredibly light.**

The unique structure of the Double Ball Arms was designed with the latest structural analysis software. The Double Ball Arms is available in three lengths, namely, short, medium, and long. The diameter of the ball is 24.8mm. The O-ring for the ball, which is made of synthetic rubber, has high wear resistance and durability. An ergonomically designed clamp enables the Double Ball Arms to be tightened and loosened with little effort. All Sea Arm 8 components are sold separately.

Spare O-ring Set for SA8 (4x O-Ring Pack) [\[62151\]](#)

### ① SA8 Double Ball Arm S [\[22112\]](#)

[Length] 143mm / 5.7inches  
[Weight] 60g / 2.1oz



### ② SA8 Double Ball Arm M [\[22113\]](#)

[Length] 223mm / 8.9inches  
[Weight] 80g / 2.8oz



### ③ SA8 Double Ball Arm L [\[22114\]](#)

[Length] 323mm / 12.9inches  
[Weight] 110g / 3.9oz



### ④ SA8 Strobe Head S [\[22115\]](#)

Used to mount a YS series strobe.

[Length] 68.5mm / 2.7inches  
[Weight] 41g / 1.4oz



### ⑤ SA8 Strobe Head M [\[22126\]](#)

Longer than SA8 Strobe Head S. Used to mount a YS series strobe.

[Length] 121.3mm / 4.85inches  
[Weight] 50.5g / 1.76oz



### ⑥ SA8 Double Strobe Head [\[22129\]](#)

Two strobes or lights or a combination can be mounted on the double head for various lighting options.

[Length] 120mm / 4.8inches  
[Weight] 70g / 2.5oz



### ⑦ SA8 Double Ball Strobe Head [\[22127\]](#)

A SA8 Strobe Head can be attached to this component.

[Length] 121mm / 4.9inches  
[Weight] 70g / 2.5oz



### ⑧ SA8 Ball Clamp [\[22116\]](#)

Used to hold two ball joints together.

[Dimensions (WxHxD)] 65x67.5x25mm / 2.6x2.7x1inches  
[Weight] 67g / 2.3oz



### ⑨ SA8 Slide Ball Base [\[22117\]](#)

Slides into the Bracket Shoe for mounting a Double Ball Arm with the Ball Clamp.

[Dimensions (WxH)] 33x72mm / 1.3x2.9inches  
[Weight] 83.5g / 2.9oz



### ⑩ SA8 Fixed Ball Base [\[22119\]](#)

Attaches to the Extra Grip or the Camera Tray Adaptor and holds a Double Ball Arm in place with the Ball Clamp.

[Dimensions (WxHxD)] 40x47x15mm / 1.6x1.9x0.6inches  
[Weight] 37g / 1.3oz



System sample

### ⑪ SA8 Ball Base For Accessory shoe [\[22120\]](#)

Attaches to the Accessory Shoe on a SEA&SEA housing. A YS series strobe can be attached with the Ball Clamp and the Strobe Head S / M.

[Length] 63mm / 2.5inches  
[Weight] 70g / 2.5oz



System sample

### ⑫ SA8 Camera Tray Extension [\[22121\]](#)

This component provides you with a comfortable grip when holding the housing with two strobes attached.

[Dimensions (WxHxD)] 35x35x15mm / 1.4x1.4x0.6inches  
[Weight] 38g / 1.3oz



System sample

### ⑬ SA8 Extra Grip [\[22122\]](#)

Ergonomically designed grip. The Bracket shoe or the Ball Base for Accessory can be mounted on the grip. Equipped with a lanyard hole.

[Dimensions (WxHxD)] 52x120x15mm / 2.1x4.8x0.6inches  
[Weight] 111g / 3.9oz



⑭ SA8 Camera Tray Adapter [22123]

Adapter for connecting the Camera Tray and the Extra Grip. The position of the grip can be adjusted sideways.

[Dimensions (WxHxD)] 100x5x35mm / 4x0.2x1.4inches  
[Weight] 42g / 1.5oz



⑮ SA8 Camera Tray + Grip [22118]

Grip with a universal camera housing tray that is compatible with most compact camera housings on the market.

\*Set consists of ⑬, ⑭, and ⑮.

[Dimensions (WxHxD)] 217x130x77mm / 8.7x5.2x3.1inches  
[Weight] 275g / 9.6oz



⑯ M10 Fixed Ball Base [22130]

The SA8 M10 Fixed Ball Base can be mounted directly on housings that feature an M10 screw threaded mount.

[Length] 62mm / 2.4inch  
[Weight] 25g / 0.9oz



Samples of systems

● SA8

Sample combination for SLR housings with the Double Ball Arm S

SA8 Double Ball Arm S, SA8 Strobe Head S, SA8 Ball Clamp x 2, SA8 Slide Ball Base

[Effective length] Approx. 310mm / 12.4inches  
[Weight] 321g / 11.2oz

※Bracket Shoe is required to mount the arm set.



Sample combination for SLR housings with the Double Ball Arm M

SA8 Double Ball Arm M, SA8 Strobe Head S, SA8 Ball Clamp x 2, SA8 Slide Ball Base

[Effective length] Approx. 390mm / 15.6inches  
[Weight] 341g / 11.9oz

※Bracket Shoe is required to mount the arm set.



Sample combination for SLR housings with the Double Ball Arm L

SA8 Double Ball Arm L, SA8 Strobe Head S, SA8 Ball Clamp x 2, SA8 Slide Ball Base

[Effective length] Approx. 490mm / 19.6inches  
[Weight] 371g / 13oz

※Bracket Shoe is required to mount the arm set.



Sample combination for compact digital cameras with the Double Ball Arm S

SA8 Double Ball Arm S, SA8 Strobe Head S, SA8 Ball Clamp x 2, SA8 Fixed Ball Base, SA8 Camera Tray + Grip

[Weight] Approx. 538g / 18.8oz



Sample combination for compact digital cameras with the Double Ball Arm M

SA8 Double Ball Arm M, SA8 Strobe Head S, SA8 Ball Clamp x 2, SA8 Fixed Ball Base, SA8 Camera Tray + Grip

[Weight] Approx. 558g / 19.5oz



Sample combination for compact digital cameras with the Double Ball Arm L

SA8 Double Ball Arm L, SA8 Strobe Head S, SA8 Ball Clamp x 2, SA8 Fixed Ball Base, SA8 Camera Tray + Grip

[Weight] Approx. 588g / 20.6oz



▶ Stays & Accessories [Others]

Ergo Grip ver.2 [22137]

Ergonomic design allows you to hold the grips naturally and with ease.



Grip-Stay L II [22128]

Grips and base stay with adjustable horizontal width and angle. The Sea Arm 8 or a Housing Lanyard III can be attached to the grips.

[Dimensions (WxHxD)] 376x154x71mm / 15x6.2x2.8inches  
[Weight] 673g / 23.5oz

[Construction] corrosion-resistant aluminum alloy (anodized body)



Hot Shoe Arm [29501]

This shoe arm attaches to a housing port or an accessory shoe on the multi strobe ring. Accept small strobe.



Mini Shoe Arm [29511]

This mini shoe arm attaches to a housing port or an accessory shoe on the multi strobe ring. Accept small strobes.



Bracket Shoe [20100]

Attaches the SA8 Slide Ball Base to the SA8 Camera Tray + Grip or the SA8 Extra Grip (screws included).



Left Grip Extension [46117]

With this product, the left housing grip can be positioned forward to provide easy access to the focus knob on the Extension Ring 46 with Focus Knob with Focus Gear.

[Dimensions (WxHxD)] 10 x 25 x 54mm / 0.4 x 1.0 x 2.1 inches  
[Weight(including accessories)]

Approx. 55g / 1.9oz

[Construction] Corrosion-resistant aluminum alloy (alumite coating)



Without Left Grip Extension

With Left Grip Extension

# Accessories

## ▶ Strobe Sync Cords

### Fiber-Optic Cable II

The best quality Fiber-Optic Cable is composed of 613 fibers (cores). Even when the cable is bent, attenuation of light is minimal. Therefore, the light signal will be transmitted to a strobe without loss. Compared with single fiber cables, the Fiber-Optic Cable II is more resistant to distortion, bending and physical impact.

#### Spare O-ring Set (6x O-Ring Pack) [62156]

[Construction] Methacrylic Resin  
[Fiber Diameter] 1.5mm / 0.059 inch  
[Cable Diameter] 2.7mm / 0.105 inch

#### ① Fiber-Optic Cable II S/2 Connectors [50135]

[Length] 310mm / 12.2 inches



#### ② Fiber-Optic Cable II M/2 Connectors [50128]

[Length] 453mm / 17.8 inches



#### ③ Fiber-Optic Cable II L/2 Connectors [50133]

[Length] 725mm / 28.5 inches



#### 5-pin Sync Cord/N [17100]



#### 5-pin Dual Sync Cord/N [03470]



#### Strobe Mask Set [50109]

Stick the Velcro tape to the underwater housing covering the camera's built-in flash. Connect the Fiber-Optic Cable.



## ▶ Housing Lanyard

### Housing Lanyard III [46114]

New lanyard for carrying SLR housing. The clips have been designed to prevent accidental release. Rubber covers reduce noise for videography. Can be used with all MDX series housings and other SEA&SEA housings mounted on the Grip-Stay L II.



System sample

## ▶ Port Covers & Body Cap

Fits securely over the port mount or face of the port and protect them from dust, debris or scratches. \*The following covers and cap are not waterproof.

### Front Port Cover <S> [51220]

- Compact Macro Ports



### Front Port Cover <M> [51230]

- NX Custom Flat Port  
- NX Standard Flat Port



### Front Port Cover <L> [51240]

- NX Zoom Port



### RDX Rear Port Cover [46113]

- RDX-series housings



### Rear Port Cover <S> [51250]

- Compact Macro Ports



### Rear Port Cover <L> [51260]

- All NX-series ports  
(except Compact Macro Ports)



### Housing Body Cap <L> [51280]

- NX-series housings  
- DX-series housings  
- MDX-series housings



### ML Rear Port Cover [46121]

- ML Mount Ports



### ML Housing Body Cap [46120]

- Mirrorless interchangeable lens camera housings



### ML Dome Port Cover [46119]

- ML Dome Port



### NX Dome Port Cover [51211]

- Fisheye Dome Port 240  
- NX Fisheye Dome Port



### Wide Port Cover [46101]

- Compact Wide Port L  
- RDX Standard Port



### Compact Dome Port Cover [46020]

- NX Compact Dome Port  
- CX Compact Dome Port



## ▶ Camera Pouch

### SEA&SEA Original Camera Pouch [00230]

Convenient soft case for storing the camera's body and accessories.



## ▶ Port Case

### Port Case [66103]

Soft case for storing the Compact camera and housing set along with a strobe, an arm and other accessories. Includes protective polyethylene foam for shock absorption.



## ▶ Maintenance Goods

### O-ring Remover [01920]

A tool to safely remove O-rings for cleaning and greasing without damaging the O-ring or O-ring channel.



### Silicone Grease [01900]

SEA&SEA's own brand of lubricant to keep O-rings supple.



 For Compact Digital Camera Housings

 For Digital SLR Camera Housings

 For both Compact Digital Camera and Digital SLR Camera Housings

 Others



A oneband anemonefish is taking care of its roe. Intending to shoot both the fish and the roe laid on the ceiling of the small hole in the same frame, I selected a small (narrow) aperture and set the strobes to a rather strong output. The colours of the fish are brilliantly reproduced but the roe are not overexposed. The whole image is naturally illuminated.

Equipment used: MDX-5D Mark III, YS-D2 (with diffuser 100 mounted) x2 and EF 100mm Macro IS USM. 1/100 sec, F10, ISO 200. Location: Kume Island, Japan. Photo by Kyu Furumi.

► Conversion Lenses and Accessories

**M77 Internal Correction lens** [52131] Patent Pending 2015-136497

When used with a 77mm diameter wide-angle zoom lens, the lens corrects image aberration and distortion\*. The lens helps reproduce clear images when mounted on a compatible lens for interchangeable lens cameras (full-frame SLR cameras).

\* Field curvature and distortion are rectified by approximately 2 f-stops value.

[Compatible Port] Fisheye Dome Port 240  
 [Compatible Lenses] Canon EF17-40mm F4L USM, Canon EF 16-35mm F4L IS USM, Nikon AF-S 16-35mm F4G ED VR, Nikon AF-S Nikkor 18-35mm F3.5-4.5G ED  
 Lens: 1 element in 1 group (AR-multi-coated on both sides)

[Dimensions (WxHxD)] 85 x 8.4mm / 3.3 x 0.3 inches  
 [Weight] 48g / 1.7oz  
 [Construction] Optical glass (AR-multi-coated on the both sides) and corrosion-resistant aluminum alloy.



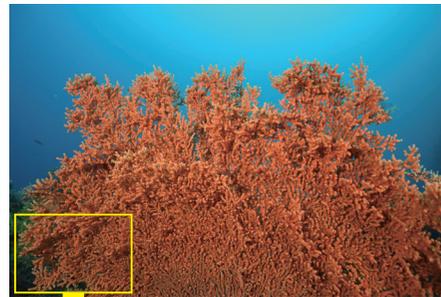
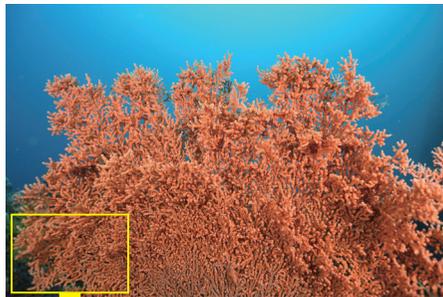
**M82 Internal Correction lens** [52132] Patent Pending 2015-136497

When used with a 88mm diameter wide-angle zoom lens, the lens corrects image aberration and distortion\*. The lens helps reproduce clear images when mounted on a compatible lens for interchangeable lens cameras (full-frame SLR cameras).

\* Field curvature and distortion are rectified by approximately 2 f-stops value.

[Compatible Port] Fisheye Dome Port 240  
 [Compatible Lenses] Canon EF 16-35mm F2.8L II USM  
 Lens: 1 element in 1 group (AR-multi-coated on the both sides)

[Dimensions (WxHxD)] 85 x 8.4mm / 3.3 x 0.3 inches  
 [Weight] 48g / 1.7oz  
 [Construction] Optical glass (AR-multi-coated on the both sides) and corrosion-resistant aluminum alloy.  
 M82 Internal Correction lens



Enlarged image taken without Internal Correction Lens (F3.5). Enlarged image taken with Internal Correction Lens (F3.5).  
 Lens: Nikon AF-S 18-35mm F3.5-4.5G ED Photographer: Takuya Nakamura

**M67 Wide-angle Conversion Lens 0.6x** [52123]

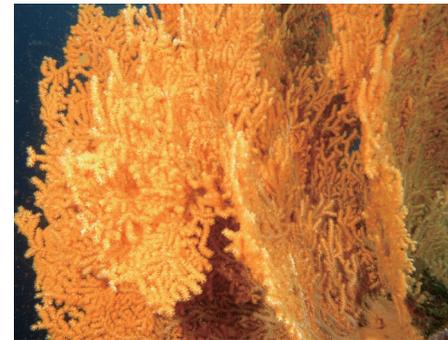
A wide-angle conversion lens with M67 screw mount. When the lens is mounted, the angle of view increases from 28mm to about a maximum of 17mm (35mm film camera equivalent). The lens can be detached and attached underwater; it can also be used on land.

\* The lens is compatible with the MDX-RX100III, MDX-RX100/II, MDX-X10\* (for the FUJI Film X10/X20), the Nikon WP-N1+ / WP-N2\* / WP-N3, the Olympus PT-EP06L, PT-EP05L as of September 2015.

\* For starred (\*) housings, slightly zoom to telephoto side to avoid vignetting.

[Lens] 3 elements in 3 groups  
 [Underwater angle of view] 94 degrees (150 degrees on land)  
 [Magnification] 0.6x  
 [Depth rating] 60m/200ft

[Weight] 426g / 15oz (220g / 7.8oz underwater)  
 [Dimensions (DIA x D)] 96 x 44mm / 3.8 x 1.7 inches  
 [Construction] corrosion-resistant aluminum alloy, anodized body (black).



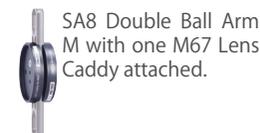
Without wide-angle conversion lens



With wide-angle conversion lens

**Lens Caddy for M67 Wide-angle Conversion Lens** [60105]

The caddy is made of aluminum alloy and enables accessory lenses with M67 screw mounts to be attached to a 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 (#52123) can be mounted. Two accessory lenses with M67 mounts can be attached to SA8 Double Ball Arm if you have two Lens Caddies fitted (one on each side).



[CD] For Compact Digital Camera Housings

[DSLR] For Digital SLR Camera Housings

[CD/DSLR] For both Compact Digital Camera and Digital SLR Camera Housings

[Others] Others

### ■ M52 Wide-Angle Conversion Lens [52120]

Wide-Angle Conversion Lens for Olympus waterproof cases with 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-052 / PT-053 / PT-055 waterproof cases as of September 2015.

[Lens] 3 elements in 3 groups	[Depth rating] 60m / 200ft
[Underwater angle of view] 85° (106.5° on land)	[Weight] Approx. 400g / 14oz (underwater: Approx. 230g / 8.1oz)
[Magnification] 0.65x	[Dimensions (DIxHxD)] 97x47mm / 3.9x1.9inches



With the PT-047

\*When used on land, slight vignetting (dimming) may occur in the four corners of the image. Slightly zoom in to telephoto to eliminate vignetting.



Without wide-angle conversion lens



With wide-angle conversion lens



### ■ Wide-Angle Conversion Lens for DX-1G [52116]

When the wide-angle conversion lens is mounted, the angle of view increases from 24mm to about 16mm (35mm film equivalent). (The lens can be used on land as well as underwater.)

[Lens] 3 elements in 3 groups  
 [Underwater angle of view] 85° (106.5° on land)  
 [Magnification] 0.65x

[Depth rating] 60m / 200ft  
 [Weight] Approx. 406g / 14.2oz (underwater: Approx. 230g / 8.1oz)  
 [Dimensions (DIxHxD)] 97x48.5mm / 3.9x1.9 inches



Equivalent to an angle of view of 24mm: value on the land



With a standard lens at the wide-angle end

Equivalent to an angle of view of 16mm: value on the land



With the wide-angle conversion lens for DX-1G at the wide-angle end

### ■ Optical Viewfinder 0.5x [46108]

Reduces vignetting in the viewfinder's image. Recommended for wide-angle photography or other situations when it is essential to check the overall composition of the picture. Depending on the situation, the viewfinder can be replaced with a standard pick-up viewfinder.

\*The reflected image appears in the four corners of the viewfinder depending on the camera model.



### ■ Optical Viewfinder 0.66x [46109]

Standard viewfinder that provides good visibility for the entire field of view.

\*The reflected image appears in the four corners of the viewfinder.



### ■ Optical Viewfinder 0.8x [46104]

We recommend this viewfinder for near-sighted users and for photographers who want to make sure the focus is clear in the center of the image during macro photography. You can interchange this viewfinder with the standard pickup viewfinder to best suit your needs.

\*The reflected image appears in the four corners of the viewfinder.



### ■ LCD Monitor Hood with Lens [52121]

The hood attaches to the LCD monitor area of a compact digital camera housing. The hood will reduce light and reflections and provide clear images from the LCD monitor from corner to corner. The lens has an anti-reflective coating to further reduce unnecessary reflections and glare. Ideal for those who would like to have enlarged and clearer views of the LCD monitor.

[Compatible model] MDX-RX100III, MDX-RX100/II, MDX-GRD IV, DX-GE5



System sample



### ■ Macro Diffuser for DX-1G [28107]

By using this product, perfectly lit macro images can be taken with the DX-2G and DX-1G camera's built-in flash.



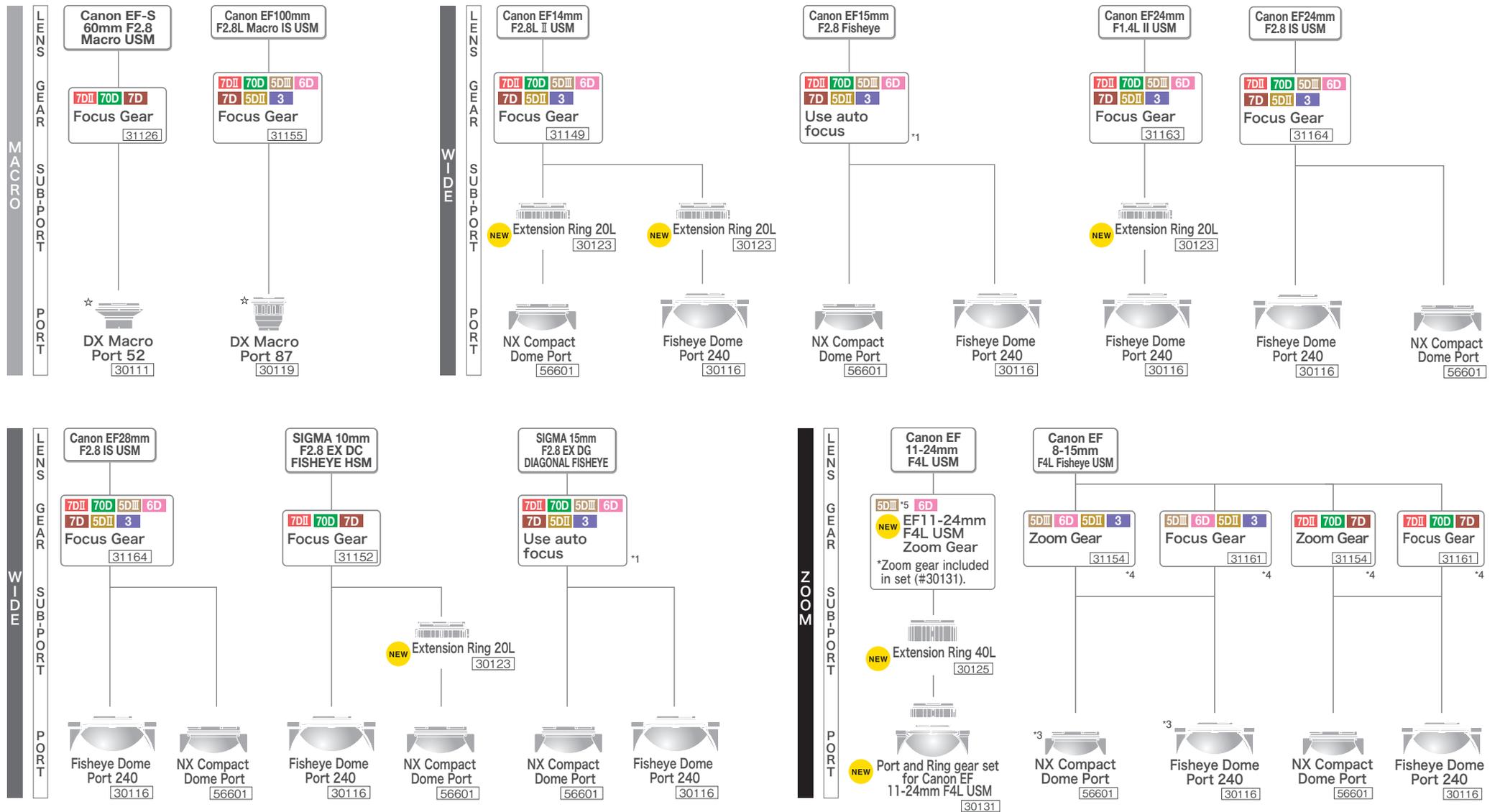
### ■ Lens Caddy for DX-1G [60104]



# System Charts

System Chart for MDX Housings (for Canon)

MDX-7D Mark II, MDX-70D, MDX-5D MarkIII, MDX-6D, MDX-7D, MDX-PRO 5D MarkII, MDX-PRO MarkIII



Housings with the following marks are compatible **7DII** MDX-7D Mark II **70D** MDX-70D **5DIII** MDX-5D MarkIII **6D** MDX-6D **7D** MDX-7D **5DII** MDX-PRO 5D MarkII **3** MDX-PRO MarkIII

☆ : A close-up lens with M67 mount can be attached to the end of the port.

\*1: Manual focus cannot be used. \*2: Auto focus cannot be used.

\*3: It may be necessary to remove the dome shades at the widest picture angle so they do not appear in the images.

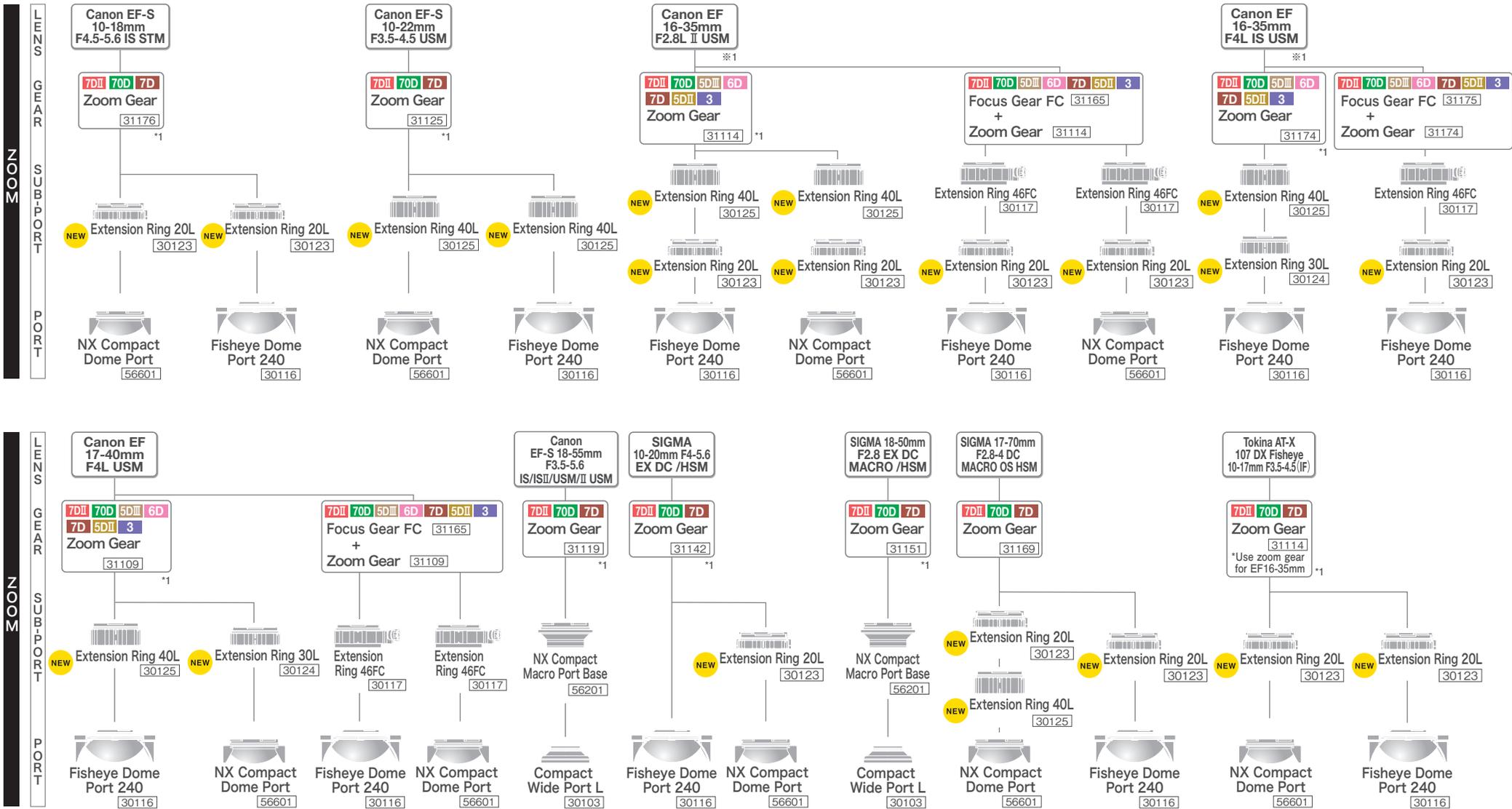
\*4: Either the zoom gear or the focus gear can be mounted on the lens. When the zoom gear is used, manual focus is not possible. When the focus gear is used, the zoom gear cannot be used.

\*5: Only compatible with MDX-5D Mark II ver.2

[Notice] Unnecessary reflection may be photographed under some conditions.

[Notice] The system chart indicates the most recent information as of September 2015. Please refer to the current system chart on our website at the following address: <http://www.seaandsea.jp/>.





Housings with the following marks are compatible **7DII** MDX-7D Mark II **70D** MDX-70D **5DIII** MDX-5D Mark III **6D** MDX-6D **7D** MDX-7D **5DII** MDX-PRO 5D Mark II **3** MDX-PRO Mark III

☆: A close-up lens with M67 mount can be attached to the end of the port.

\*1: Manual focus cannot be used. \*2: Auto focus cannot be used.

\*3: It may be necessary to remove the dome shades at the widest picture angle so they do not appear in the images.

\*4: Either the zoom gear or the focus gear can be mounted on the lens. When the zoom gear is used, manual focus is not possible. When the focus gear is used, the zoom gear cannot be used.

※1: Setting of the aperture value more than F8 is recommended.

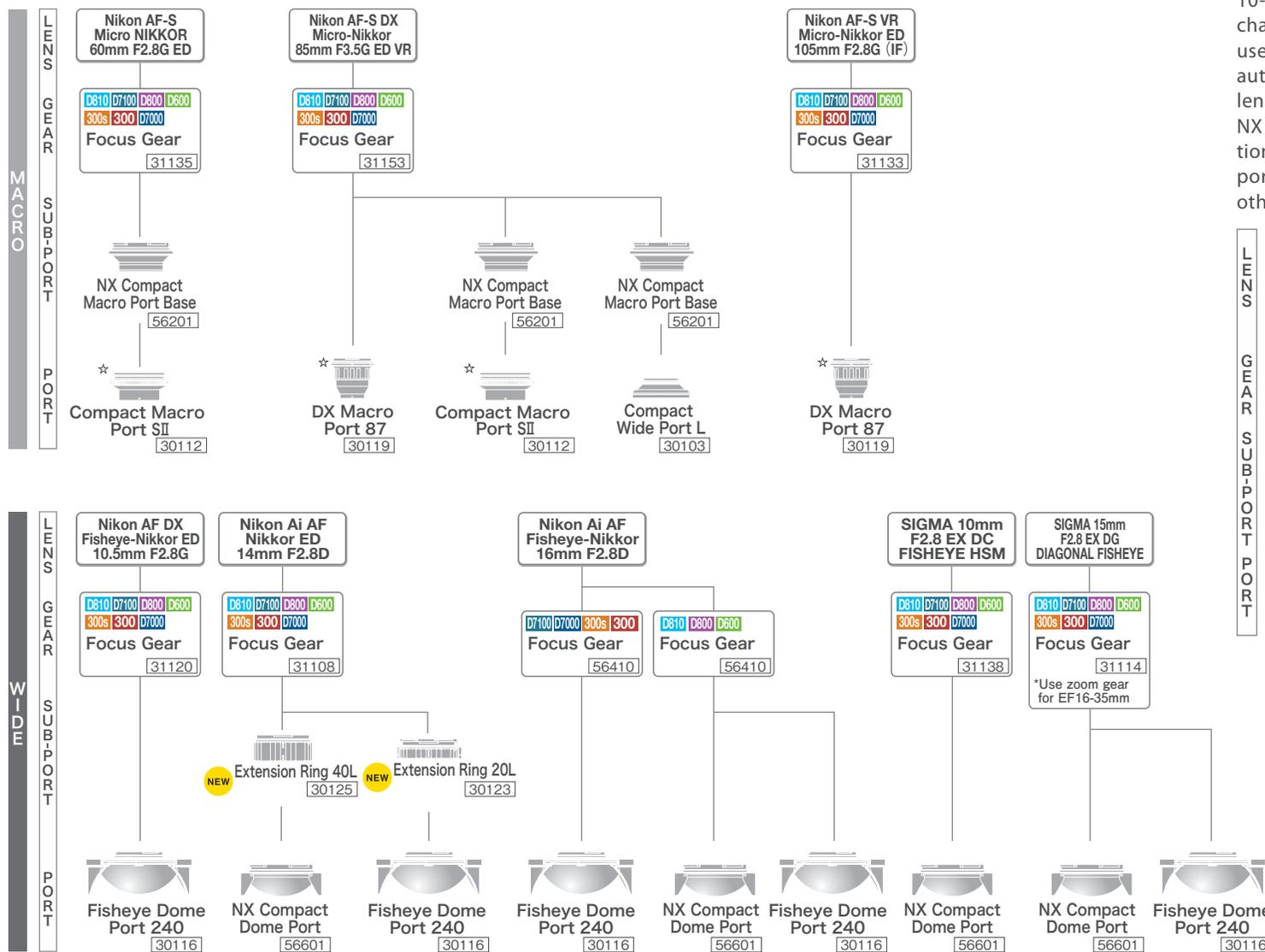
[Notice] Unnecessary reflection may be photographed under some conditions.

[Notice] The system chart indicates the most recent information as of September 2015. Please refer to the current system chart on our website at the following address: <http://www.seaandsea.jp/>.



**System Chart for MDX Housings (for Nikon)**

MDX-D810, MDX-D7100, MDX-D800, MDX-D600, MDX-D7000, MDX-D300s, MDX-D300



☆ : A close-up lens with M67 mount can be attached to the end of the port.

\*1:Manual focus cannot be used. \*2:Auto focus cannot be used.

\*3:It may be necessary to remove the dome shades at the widest picture angle so they do not appear in the images.

Housings with the following marks are compatible

D810 MDX-D810 D7100 MDX-D7100 D800 MDX-D800 D600 MDX-D600 D7000 MDX-D7000 300s MDX-D300s 300 MDX-D300

**How to use system chart (example)**

As an example, selecting ports for the Canon EF-S 10-22mm F3.5-4.5USM lens using the SEA&SEA system chart. In this example, the following zoom gear must be used. When the zoom gear is mounted on the lens, only auto focus (photography) is possible. In the case of this lens, three port choices are available. 1) Combination of NX Compact Dome Port and RDX Port Base L, 2) Combination of Optical Dome Port and RDX Port Base L. Select one port choice in accordance with your shooting style or other lens combinations.



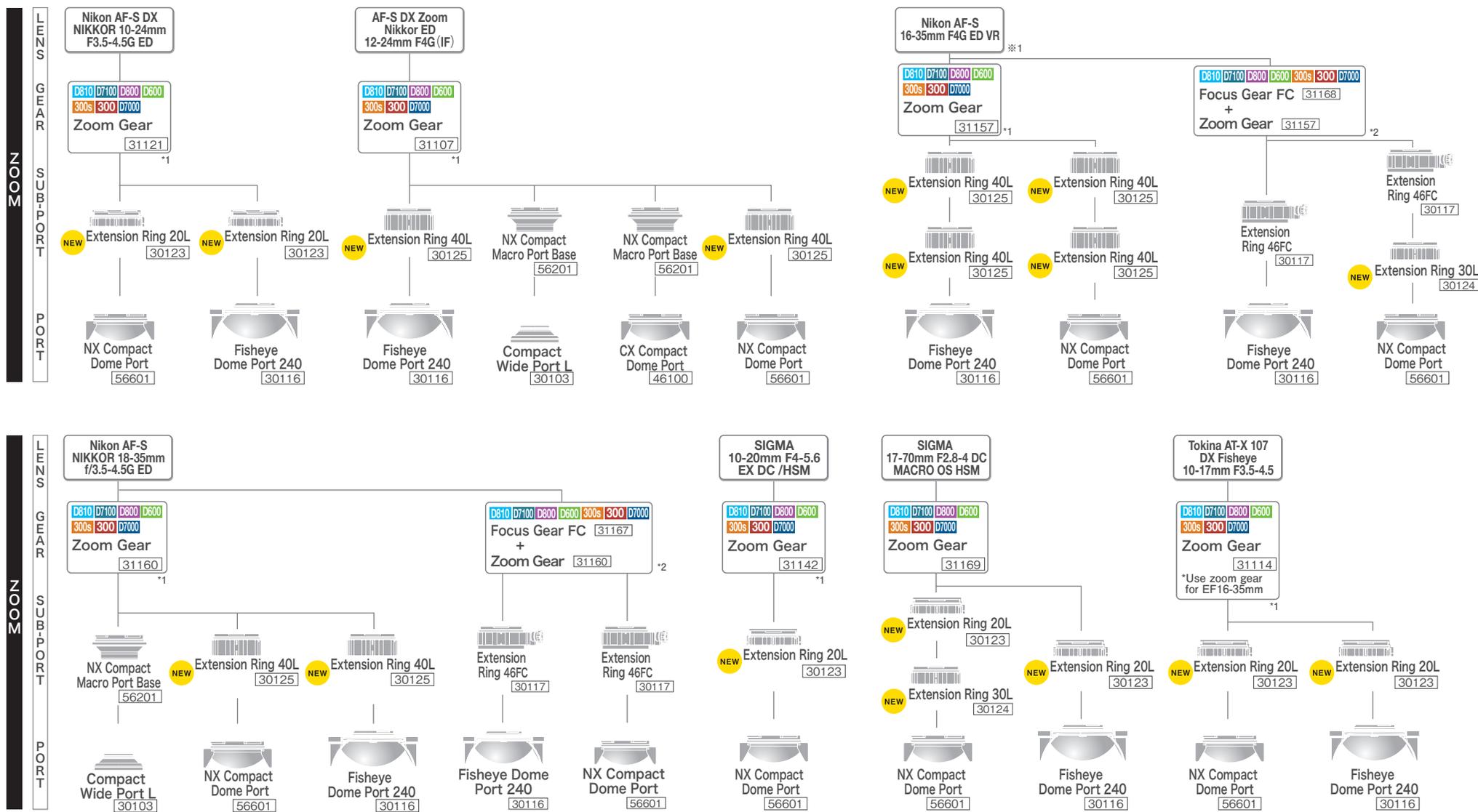
[Notice] Unnecessary reflection may be photographed under some conditions.

[Notice] The system chart indicates the most recent information as of September 2015. Please refer to the current system chart on our website at the following address: <http://www.seaandsea.jp/>.



System Chart for MDX Housings (for Nikon)

MDX-D810, MDX-D7100, MDX-D800, MDX-D600, MDX-D7000, MDX-D300s, MDX-D300



☆ : A close-up lens with M67 mount can be attached to the end of the port.

\*1:Manual focus cannot be used. \*2:Auto focus cannot be used.

\*3:It may be necessary to remove the dome shades at the widest picture angle so they do not appear in the images.

※ 1 : Setting of the aperture value more than F8 is recommended.

Housings with the following marks are compatible

D810 MDX-D810 D7100 MDX-D7100 D800 MDX-D800 D600 MDX-D600 D7000 MDX-D7000 300s MDX-D300s 300 MDX-D300

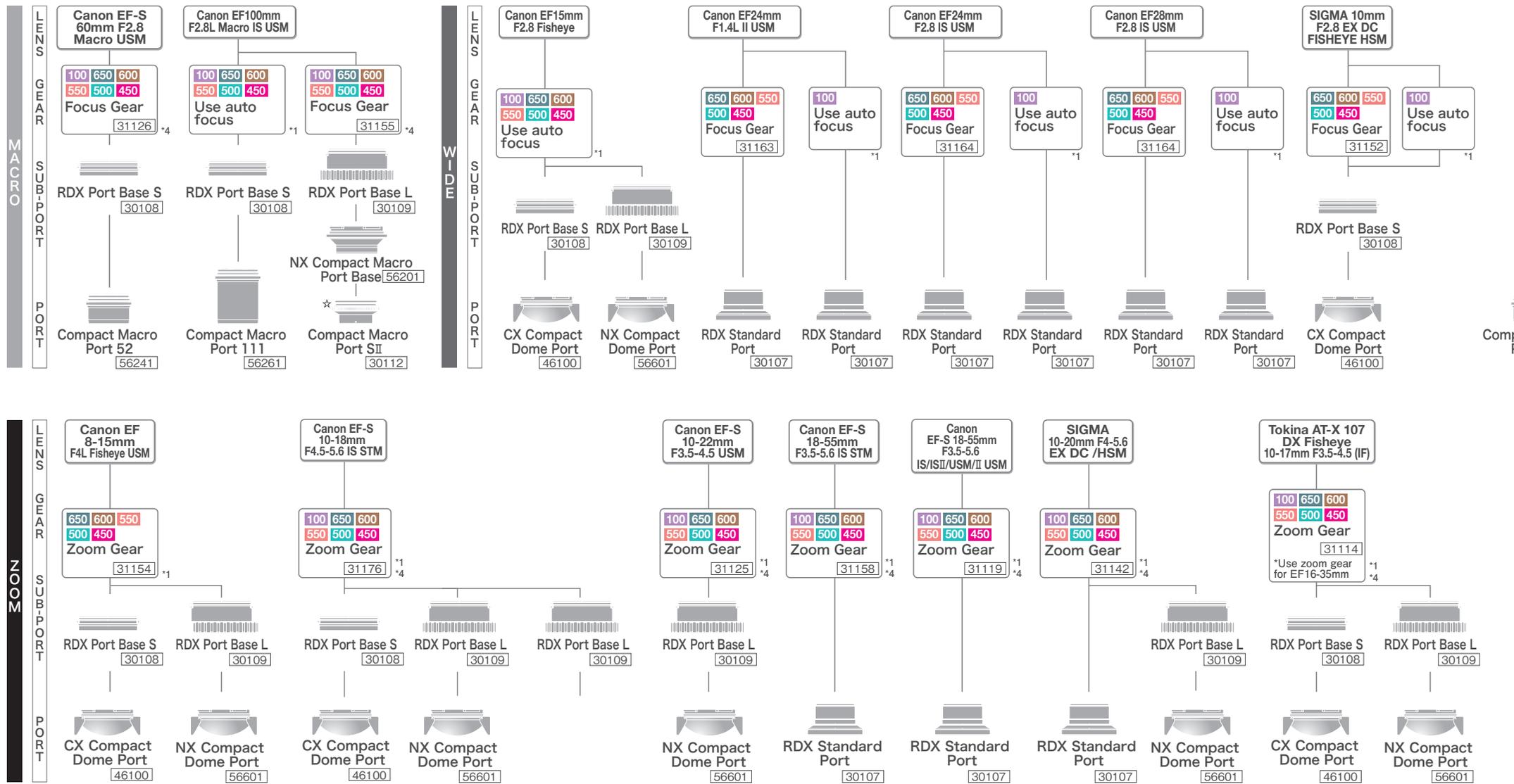
[Notice] Unnecessary reflection may be photographed under some conditions.

[Notice] The system chart indicates the most recent information as of September 2015. Please refer to the current system chart on our website at the following address: <http://www.seaandsea.jp/>.



System Chart for RDX Housings (for Canon)

RDX-100D, RDX-650D, RDX-600D, RDX-550D, RDX-500D, RDX-450D



☆ : A close-up lens with M67 mount can be attached to the end of the port.  
 \*1: Manual focus cannot be used. \*2: Auto focus cannot be used.  
 \*3: It may be necessary to remove the dome shades at the widest picture angle so they do not appear in the images.  
 \*4: The location of the gear on the lens is different from that described on the instruction sheet. Please see addendum sheet included with the housing.

Housings with the following marks are compatible

100 RDX-100D 650 RDX-650D 600 RDX-600D 550 RDX-550D 500 RDX-500D 450 RDX-450D

[Notice] Unnecessary reflection may be photographed under some conditions.

[Notice] This is a concise system chart. The full system chart can be found at: <http://www.seaandsea.jp/>.

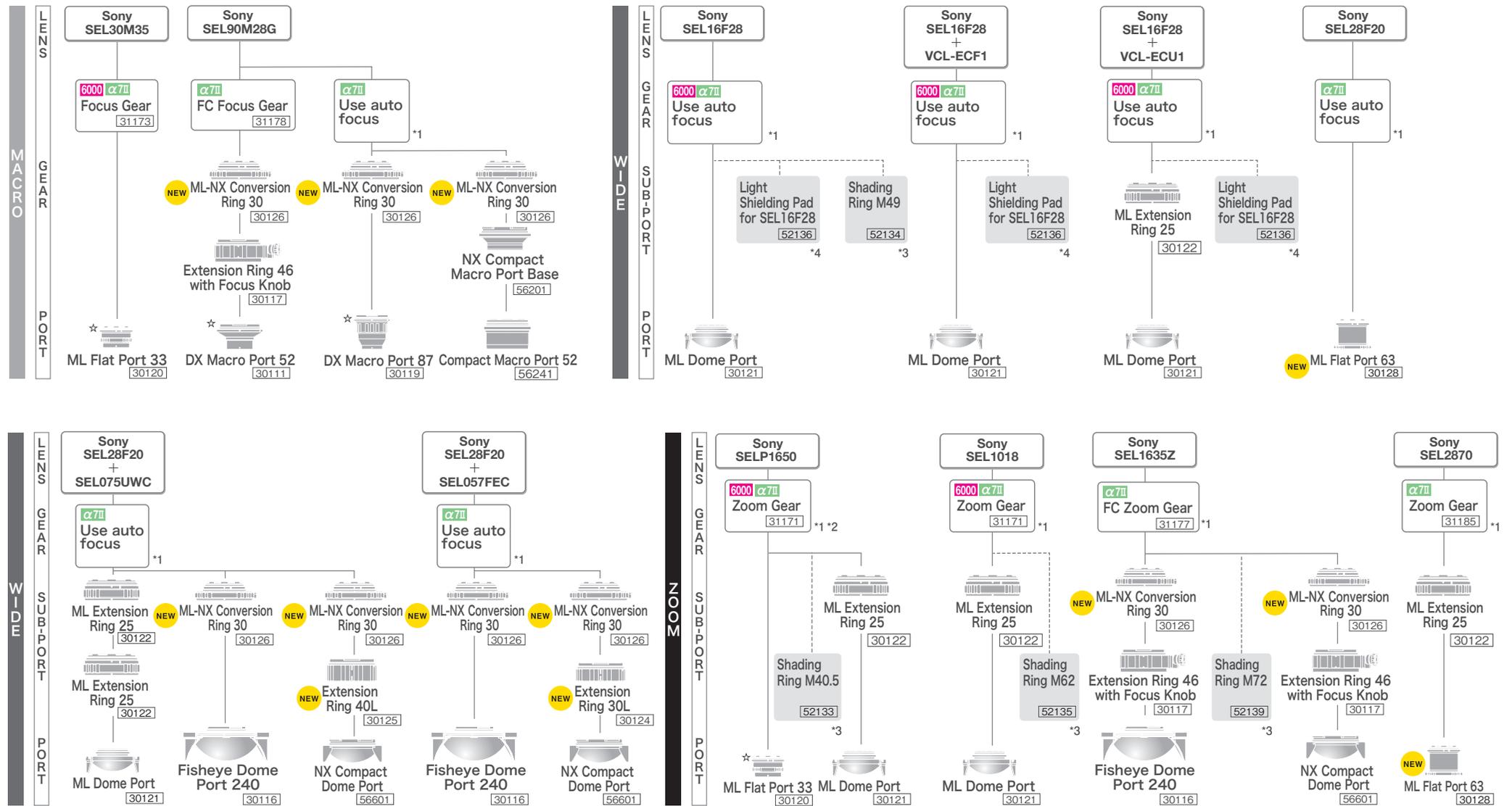


RDX for Nikon system chart is available at: <http://www.seaandsea.jp/>.



System Chart for MDX Mirrorless Housing (for Sony)

MDX-α6000, MDX-α7 II



Housings with the following marks are compatible **6000** MDX-α6000 **α7II** MDX-α7 II

☆ : A close-up lens with M67 mount can be attached to the end of the port.

\*1: Manual focus cannot be used. \*2: The power zoom can be used with the accessory spacer.

\*3 The combination will prevent internal light reflections from the built-in flash.

\*4 Light Shielding Sponge, which prevents internal light reflections from the built-in flash.

[Notice] Unnecessary reflection may be photographed under some conditions.

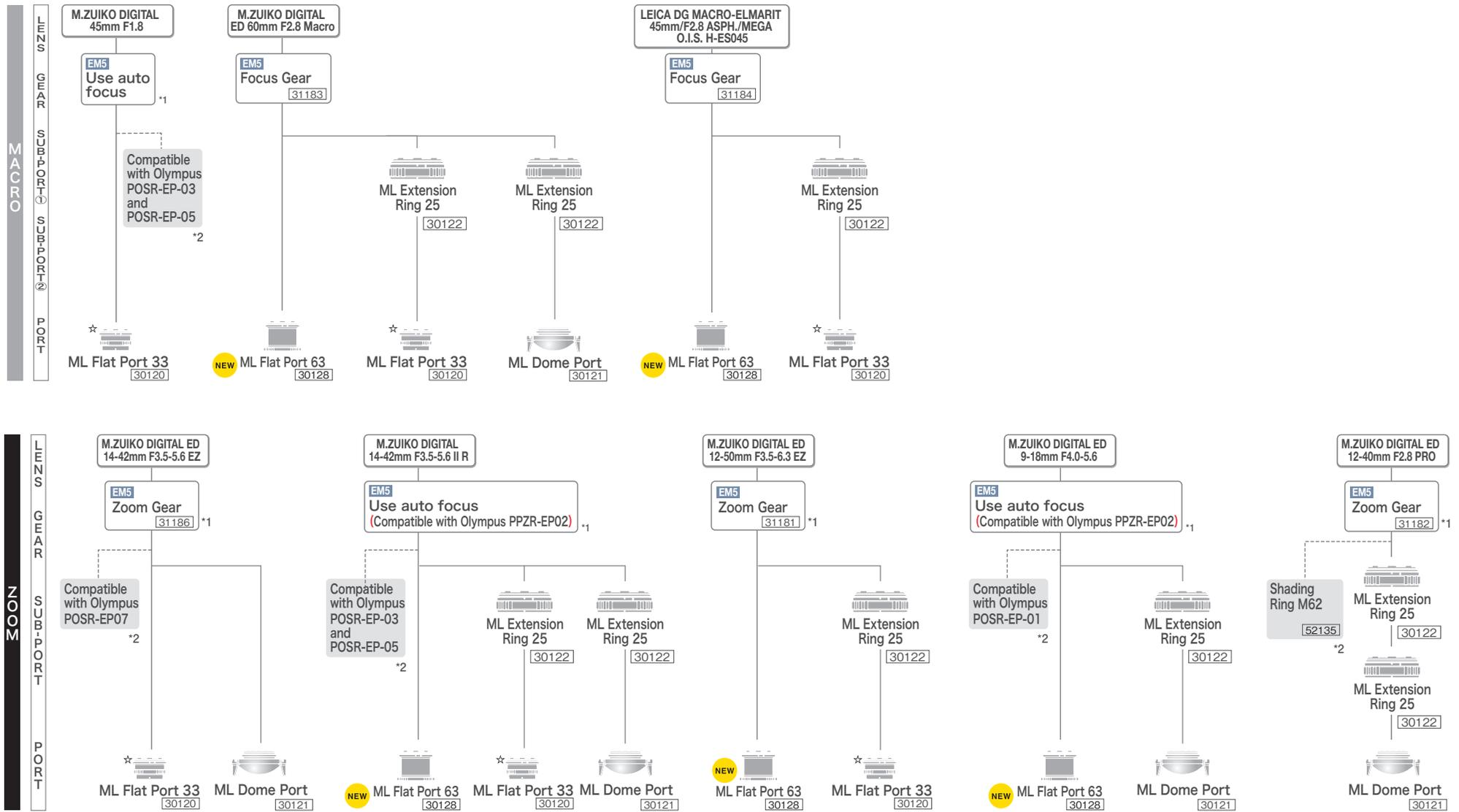
[Notice] Unnecessary reflection may be photographed under some conditions.

[Notice] The system chart indicates the most recent information as of September 2015. Please refer to the current system chart on our website at the following address: <http://www.seandsea.jp/>.



System Chart for MDX Mirrorless Housings. (for Olympus)

MDX-EM5 Mark II



Housings with the following marks are compatible **EM5** MDX-EM5 MarkII

\*1: Manual focus cannot be used.

\*2: The ring prevents unnecessary reflection inside a compatible port.

☆: A close-up lens with M67 mount can be attached to the end of the port.

[Notice] Unnecessary reflection may be photographed under some conditions.

[Notice] The system chart indicates the most recent information as of September 2015.

Please refer to the current system chart on our website at the following address:

<http://www.seaandsea.jp/>.



Item	YS-03	YS-01	YS-D2	YS-250PRO
				
Guide Number (ISO 100/m) (land)	20	20	32, 24 (with Diffuser 100 attached), 20 (with Diffuser 120 attached)	32
Beam Angle	100°x100°(with diffuser 110°x110°)	100°x100°(with diffuser 110°x110°)	80°x80°(without diffuser), 100°x100°(diffuser 100), 120° x 120°(diffuser 120)	105°x105°(with diffuser 115°x 115°)
Batteries	Only use x4 AA batteries of the same type and make (1.5V Alkaline or 1.2V Nickel-Metal Hydride).	Only use x4 AA batteries of the same type and make (1.5V Alkaline or 1.2V Nickel-Metal Hydride).	Only use x4 AA batteries of the same type and make (1.5V Alkaline or 1.2V Nickel-Metal Hydride).	Battery for YS-250PRO
Number of Flashes*1	AA Alkaline batteries: 230 / Nickel-Metal Hydride batteries: 330	AA Alkaline batteries: 230 / Nickel-Metal Hydride batteries: 330	AA Alkaline batteries: 150 / Nickel-Metal Hydride batteries: 200	200
Recycle time (full)*2	AA Alkaline batteries: 3.1 sec / Nickel-Metal Hydride batteries: 2.5 sec	AA Alkaline batteries: 2.5 sec / Nickel-Metal Hydride batteries: 1.9 sec	AA Alkaline batteries: 3.0 sec / Nickel-Metal Hydride batteries: 1.5 sec	1.8 sec.
Color temperature	5600K	5600K	5600K	5,600K
Color temperature w/diffuser	5250K	5250K	5250K	5,200K
Depth rating	75m / 250ft	75m / 250ft	100m / 330ft	60m / 200ft
Dimensions (WxHxD)	68x108x129mm / 2.7x4.3x5.2inches	68x108x129mm / 2.7x4.3x5.2inches	(Excluding protruding part(s) and the arm holder.): 89x133x116mm / 3.5 x 5.2 x 4.6 inches (incl. YS base but excluding protruding parts)	107x130x223mm / 4.3x5.2x9inches
Weight	430g / 15.0oz (w/o batteries) * Fixing bolt fitted	450g / 15.8oz (w/o batteries) * Attached a fixing bolt to the Strobe.	623g / 22.0oz (w/o batteries) (inc. YS-mount and fixing bolt. Without batteries)	1,383g / 48.4oz (w/o batteries) * Attached a fixing bolt to the Strobe.
Underwater weight*3	Approx. +10g / 0.4oz(w/ batteries)	Approx. +10g / 0.4oz(w/ batteries)	Approx. +40g / 1.4oz (incl. batteries)	Approx. +80g / 2.8oz(w/ batteries)
Others	<input type="checkbox"/> Exposure control:Slave TTL <input type="checkbox"/> Slave function <input type="checkbox"/> Auto power OFF function <input type="checkbox"/> Sync cord : Fiber-optic cable <input type="checkbox"/> Over-pressure relief valve	<input type="checkbox"/> Exposure control: DS-TTL, Light level control dial (GN): 1/1.4/2/2.8/4/5.6/8/11/16/20 (10 steps) <input type="checkbox"/> Pre-flash control: Equipped with pre-flash cancel mode <input type="checkbox"/> DS-TTL function <input type="checkbox"/> Slave function <input type="checkbox"/> Auto power OFF function <input type="checkbox"/> Sync cord : Fiber-optic cable <input type="checkbox"/> Over-pressure relief valve <input type="checkbox"/> LED target light	<input type="checkbox"/> Exposure control: DS-TTL II, Slave TTL, Light level control dial (GN): 1 / 1.4 / 2 / 2.8 / 4 / 5.6 / 8 / 11 / 16 / 22 / 32 (11 steps) <input type="checkbox"/> Pre-flash control: Equipped with pre-flash cancel mode <input type="checkbox"/> DS-TTL II function <input type="checkbox"/> Slave function <input type="checkbox"/> Auto power OFF function <input type="checkbox"/> Sync cord: 5-pin Sync cord/N, Fiber-Optic Cable <input type="checkbox"/> Over-pressure relief valve <input type="checkbox"/> LED target light (output is adjustable in 2 steps) <input type="checkbox"/> Audible charge signal	<input type="checkbox"/> Exposure control: TTL, Light level control dial (GN): 0.7/1/1.4/2/2.8/4/5.6/8/11/16/22/32 (12 steps) <input type="checkbox"/> Pre-flash control: Equipped with pre-flash cancel mode <input type="checkbox"/> Slave function <input type="checkbox"/> Sync cord : Sync cord/N, Fiber-optic cable <input type="checkbox"/> Over-pressure relief valve <input type="checkbox"/> LED target light <input type="checkbox"/> Test flash function <input type="checkbox"/> TTL / READY confirmation audible signal

\*1 Number of flashes and recycle time depends on the battery brand, temperature and frequency of use. \*2 Number of flashes and recycle time of Ni-MH batteries were tested on 2400 mAh batteries.

\*3 As a standard, underwater weight measurements are taken in fresh water. (+) indicates the strobe is positively buoyant and floats in water.

(-) indicates the the strobe is negatively buoyant and sinks in water. Weight in sea water will vary depending on salinity.

\* All specifications above are based on SEA&SEA's testing standards. Refer to the "Compatibility List" on SEA&SEA's website for compatibility between the strobe and specific cameras.



Do not use non-recommended batteries (such as lithium primary batteries). Use of non-recommended batteries may cause battery leakage and overheating and may cause the strobe to rupture, which could result in personal injury.

## Spare O-Ring Set



### [Strobes and lights]

Code	Item
10580	For YS-30 / 90 / 110a / 01 / 02 / 03 / D1 / D2
62127	For YS-250PRO
62142	For YS-17
62102	For YS-25DX / AUTO
62116	For YS-55TTL/E
18430	For YS-120/N
17210	For 5-pin Sync Cord/N
62130	For LX-33

### [Housings for compact cameras]

Code	Item
62134	For MDX-RX100III / MDX-RX100/II / DX-1G / 2G
62114	For DX-5000G / 8000G
62107	For DX-3000 / 3000G
62143	For DX-1200HD / GE5
62128	For DX-860G
62123	For DX-750G

### [Housings for DSLR and Mirrorless Interchangeable Lens cameras]

Code	Item
62144	For RDX series housings / MDX-a7 II
62158	For MDX-a6000
62148	For MDX-7D Mark II / MDX-5D MarkIII ver.2 / MDX-70D / MDX-7D / D7000
62146	For MDX-D810 / D800 / D700
62137	For MDX-40D / PRO 5D Mark II
62136	For MDX-PRO MarkIII / D3
62147	For MDX- D7100 / D600 / D300s
62138	For MDX-D300
62154	For MDX-X10
62155	For MDX-GRD IV
62139	For MDX-G9
62125	For DX-5D
62109	For DX-10D / 300D / D70
62121	For MDX-PRO MarkIII / DX-D50 / 350D / D200 / D80

### [Ports and accessories for DSLR/Mirrorless Interchangeable Lens cameras]

Code	Item
62160	For ML ports
62145	For RDX ports
62132	For DX macro ports
62101	For NX ports / DX Macro Port 52 / DX Macro Port 87
62153	For Optional Strobe Connector
62140	For TTL Converter III / TTL Converter 250 / YS Converter
62126	For TTL Converter II
62152	For VF45 / VF180
56290	For Compact macro port / CX compact dome port

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