

PRODUCT CATALOG **2008**



No reason for man wanting to take images in the sea whatever his destination is

Even if his destination is a rarely visited place or a well known paradise

Even if his photo subjects are rare tropical coral reefs or crabs on the shore

Even if he is a professional or an amateur

There is no reason for his desire to vividly and beautifully express and record what he has seen

This is the reason why we are obliged to satisfy his desire

as the sole comprehensive manufacturer of underwater imaging equipment





PRODUCT CATALOG 2008

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DX-1G



Details

- | | | | |
|--|--|---|--|
| <input type="checkbox"/> Extension port (fiber-optic cable connection) | <input type="checkbox"/> Accessory shoe | <input type="checkbox"/> Flash cover | <input type="checkbox"/> Hot shoe |
| <input type="checkbox"/> Power button | <input type="checkbox"/> Fn. (Function) button | <input type="checkbox"/> Power button | <input type="checkbox"/> (Flash) Open switch |
| <input type="checkbox"/> Shutter lever | <input type="checkbox"/> Flash window | <input type="checkbox"/> Shutter button | <input type="checkbox"/> Fn. (Function) button |
| <input type="checkbox"/> Mode dial | <input type="checkbox"/> Diffuser dial | <input type="checkbox"/> Mode dial | <input type="checkbox"/> Strap eyelet |
| <input type="checkbox"/> Up-down dial | | <input type="checkbox"/> Up-down dial | <input type="checkbox"/> AF auxiliary light |
| <input type="checkbox"/> AF window | <input type="checkbox"/> Rear door lock lever | <input type="checkbox"/> AF window | <input type="checkbox"/> Ring cap |
| | <input type="checkbox"/> AF auxiliary light window | <input type="checkbox"/> Fiber-optic cable socket (x 2) | |
| <input type="checkbox"/> Lens | | <input type="checkbox"/> Lens | |
| <input type="checkbox"/> Wide-angle conversion lens string eyelet | | <input type="checkbox"/> Telephoto / Enlarged view button | |
| <input type="checkbox"/> ADJ. dial | <input type="checkbox"/> Telephoto / Enlarged view button | <input type="checkbox"/> ADJ. lever | <input type="checkbox"/> Telephoto / Enlarged view button |
| <input type="checkbox"/> Playback button | <input type="checkbox"/> Wide-angle / Thumbnail display button | <input type="checkbox"/> VF / LCD button | <input type="checkbox"/> Wide-angle / Thumbnail display button |
| <input type="checkbox"/> AF / Flash lamp window | <input type="checkbox"/> MODE button | <input type="checkbox"/> AF / Flash lamp | <input type="checkbox"/> MODE button |
| <input type="checkbox"/> LCD monitor window | <input type="checkbox"/> Flash button | <input type="checkbox"/> LCD monitor | <input type="checkbox"/> Flash button |
| | <input type="checkbox"/> MENU / OK button | | <input type="checkbox"/> Terminal cover |
| <input type="checkbox"/> Delete / Self-timer button | <input type="checkbox"/> DISP button | <input type="checkbox"/> Delete / Self-timer button | <input type="checkbox"/> MENU / OK button |
| <input type="checkbox"/> Tripod screw | <input type="checkbox"/> Macro button | | <input type="checkbox"/> DISP button |
| | <input type="checkbox"/> Quick review button | | <input type="checkbox"/> Macro button |
| | | | <input type="checkbox"/> Quick review button |

+ Optional

Wide-Angle Conversion Lens for DX-1G [52116] ↔ changeable underwater D

Can be attached easily in one turning action utilizing the bayonet system; can be attached and detached underwater. (The lens can be used on land as well as underwater.) When the wide-angle conversion lens is mounted, the angle of view increases from 24mm to about 16mm.



[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] (DIAxD) 97x48.5mm / 3.9x1.9 inch



*The lens can be used on land, but slight vignetting (dimming) may occur in the four corners of the image. Slightly zoom in to telephoto to eliminate vignetting.
 *A shadow may appear in the image if the built-in flash is used when the wide-angle conversion lens is mounted. It is highly recommended that you use an external strobe.

Lens Caddy for DX-1G [60104]

The caddy enables the wide-angle conversion lens for the DX-1G to be attached to either the Sea Arm Light or Sea Arm VII.



Battery DB-60 [831016] US [831017] EU

A 1G battery (rechargeable lithium ion battery). The dedicated battery charger BJ-6 is necessary for recharging.



Charger BJ-6 [831014] US [831015] EU

The dedicated charger for the 1G rechargeable battery: DB-60.



10-Megapixel Compact Underwater Digital Camera System.

DX-1G Camera and Housing Set (Black) [06581] [O-ring Set [62134]]

[Accessories for the 1G camera] USB / video cable, hand strap, lens cap
 [Accessories for the DX-1G housing] LCD monitor hood, hand strap
 *Specifications subject to change without notice.



<1G>

- The camera is equipped with a 1/1.75-inch charge coupled device (CCD) image sensor having 10.01 million effective pixels, which offers superior resolution and the ability to vividly record every detail of your precious moments. (The maximum recordable number of pixels is 3648x2736)
- Macro mode that enables you to bring the lens as close as 1cm/0.4 inch to the subject.
- The focal length of the 3x optical zoom lens is 5.1 to 15.3mm, or 24 to 72mm on a conventional 35mm film camera. The lens has a maximum aperture (f-stop value) from f2.5 to f4.4. The perspective can be adjusted precisely according to your style with the wide-angle setting to capture the dynamic environment. In addition, unique visual effects can be used to enhance your pictures.
- Equipped with SEA&SEA Mode for optimum underwater photography.
- Compatible with RAW data storage.
- The camera is equipped with a CCD shift-method vibration correction function, which is exceptionally effective in stabilizing images when the shutter is pressed. The function prevents images from being blurred by hand motion.
- The camera is equipped with a 2.5-inch, 230,000-pixel LCD monitor.
- The recording medium is MMC or an SDHC / SD memory card. It is equipped with a 26MB built-in memory.

<DX-1G Housing>

- High-quality design with premium feeling & superior operability.
- Equipped with two fiber-optic cable sockets.
- Equipped with a built-in flashlight diffuser.
- All shooting functions on the 1G camera are operable.
- Wide-angle conversion lens for DX-1G is available. (Optional)
- Outer hood and inner hood for LCD monitor.
- The highest reliability with a depth rating of 55m / 180ft.
- Soft grip protector for stability and comfort underwater.

System Examples

- | | | |
|---|---|---|
| <input type="checkbox"/> DX-1G Camera and Housing Set | <input type="checkbox"/> DX-1G Camera and Housing Set | <input type="checkbox"/> DX-1G Camera and Housing Set |
| <input type="checkbox"/> YS-27DX | <input type="checkbox"/> YS-27DX | <input type="checkbox"/> YS-110 |
| <input type="checkbox"/> Fiber-optic cable (L-type) | <input type="checkbox"/> Fiber-optic cable (L-type) | <input type="checkbox"/> Fiber-optic cable (L-type) |
| <input type="checkbox"/> Sea Arm Light | <input type="checkbox"/> Sea Arm VII | <input type="checkbox"/> Sea Arm VII |
| | <input type="checkbox"/> Wide-angle conversion lens for DX-1G | |
| | <input type="checkbox"/> Lens caddy for DX-1G | |
-
- | | | |
|---|---|---|
| <input type="checkbox"/> DX-1G Camera and Housing Set | <input type="checkbox"/> DX-1G Camera and Housing Set | <input type="checkbox"/> DX-1G Camera and Housing Set |
| <input type="checkbox"/> LX-33 | <input type="checkbox"/> Wide-angle conversion lens for DX-1G | <input type="checkbox"/> Wide-angle conversion lens for DX-1G |
| <input type="checkbox"/> Sea Arm VII | <input type="checkbox"/> YS-110 x 2 | <input type="checkbox"/> Lens caddy for DX-1G |
| | <input type="checkbox"/> Fiber-optic cable (L-type) x 2 | <input type="checkbox"/> YS-250PRO |
| | <input type="checkbox"/> Sea Arm VII | <input type="checkbox"/> Fiber-optic cable (L-type) |
| | <input type="checkbox"/> Ball Base | <input type="checkbox"/> Sea Arm VII |
| | <input type="checkbox"/> Sea Arm VII Basic set | |

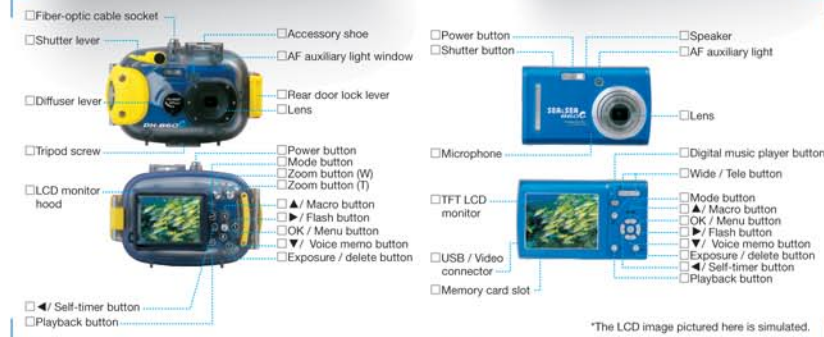


DX-860G Camera and Housing Set

DX-860G



Details



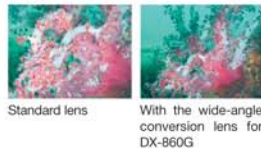
+ Optional

Wide-Angle Conversion Lens for DX-860G [52115]

changeable underwater **D**

This wide-angle conversion lens covers a maximum field angle equivalent to approx. 20mm lens (35mm film camera equivalent) when used with the DX-860G.

- [Lens construction] 3 elements in 3 groups
- [Magnification ratio] 0.55x
- [Underwater angle of view] 68°
- [Dimensions (DIA x D)] 64x42mm / 2.6x1.7inch
- [Weight] Approx. 165g / 5.8oz



*Can also be used on land, but vignetting (dimmed corners) may occur in the maximum telephoto setting.
*Can also be used with the DX-750G housing.

Close-Up Lens for DX-860G (Standard accessory) [52114]

changeable underwater **D**

- [Lens construction] one element in one group
- [Focusing distance] Max. wide setting: 5cm / 2inch; Max telephoto setting: 16cm / 6.4inch (Focusing distance is 30cm / 12inch without the close-up lens.)
- [Dimensions (DIAxD)] 49.3x10.8mm / 2x0.4inch
- [Weight] Approx. 15g / 0.5oz



*Can also be used with the DX-750G housing.

Small but powerful: the DX-860G set packs 6.2-Megapixel effective resolution.

DX-860G Camera and Housing Set

(Black) [06563] (Blue) [06550] [O-ring Set] [62128]

[Accessories for the 860G camera] USB / video cable, lithium-ion battery, battery charger, hand strap, camera pouch
[Accessories for the DX-860G housing] LCD monitor hood, close-up lens, hand strap



<860G>

- An ultra-fine 1/2.5-inch CCD with an effective pixel count of 6.2 megapixels (maximum recordable pixel count of 8 megapixels) provides high-resolution image capture.
- A large 2.5-inch TFT liquid crystal monitor in a compact, light-weight, thin aluminum camera body provides vivid image display.
- An optical 3x zoom lens with a focal length ranging from 35 to 105mm (35mm film camera equivalent) perfectly frames your subject.
- A macro mode on the zoom lens lets the camera focus as close as 5cm / 2inch from a subject for close-up photography of small subjects.
- Adjustable white balance with settings compensates for a wide variety of lighting conditions: Auto, Daylight, Cloudy, Fluorescent, Tungsten, Sunset, and Custom.
- An exposure correction function ($\pm 2EV$, in steps of 0.5EV) shifts auto-exposure settings to compensate for tricky lighting situations.
- A continuous shooting function and auto-bracket function ($-0.5EV, \pm 0.5EV, +0.5EV$) allow capturing quick bursts of images and automatic exposure variation.
- Adjustable ISO sensitivity (Auto, 100, 200, 400) sets CCD capture sensitivity for added exposure control.
- Special image effect settings (Black-White, Normal, Sepia, RGB) produce unique images, and sharpness settings (Soft, Normal, Vivid) control image clarity.
- Nine photo frame functions put graphic frames around your images.
- A motion picture function captures video of up to 640x480 pixel (VGA) resolution at a rate of 24 frames per second (24fps).
- Includes a built-in memory of 32MB and accepts SD / multimedia cards as well for additional image-storage memory.
- Is powered by a lithium-ion battery and includes a charger for the battery.
- Is compatible with PictBridge for image printing.

<DX-860G Housing>

- An exclusive bayonet mount accepts a wide-angle conversion lens or a close-up lens designed for the DX-860G. You can attach or detach each lens underwater.
- Comes with a single fiber-optic cable socket for an external flash.
- A built-in flash diffuser softens the built-in flash for more gently illuminated images.
- A lever-type shutter release makes tripping the shutter easy and responsive.
- The housing is rugged and rated to a depth of 45m / 150ft.
- Comes standard with an LCD monitor hood to help keeping the camera's LCD display clear and vivid in conditions with strong back lighting.
- Comes with an accessory shoe for attaching accessories.

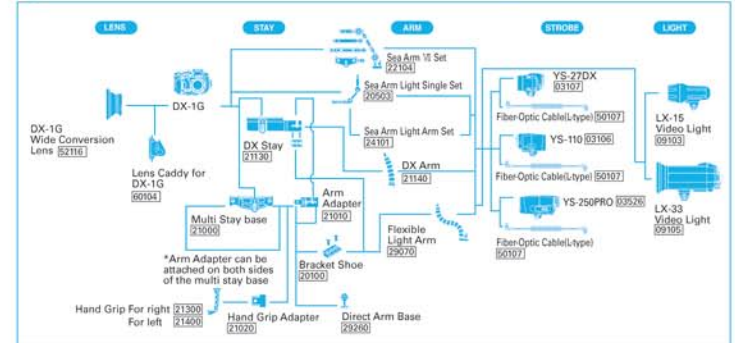
System Examples



Item	Specifications	Item	Specifications
CCD	Effective 10.01 million pixels (total 10.30 million pixels), 1/1.75-inch primary-color CCD	Storage capacity (time) (Internal 26MB memory)	(Movie) 640×480: 30frames/sec. (12sec.), 15frames/sec. (24sec.) 320×240: 30frames/sec. (39sec.), 15frames/sec. (1min.16sec.) *5
Lens	Focal length: f=5.1-15.3mm (35mm camera equivalent, 24-72mm) Aperture (F value): F2.5 (wide) - F4.4 (tele) Lens construction: 11 elements in 7 groups Number of aperture blades: 7	Storage data capacity (Sizes are approximate)	(Still image) 3648×2736 (RAW: 14.4MB/screen, F: 3.61MB/screen, N: 2.07MB/screen), 3648×2432 (RAW: 12.8MB/screen, F: 3.21MB/screen, N: 1.85MB/screen), 2736×2736 (F: 2.71MB/screen), 3264×2448 (N: 1.67MB/screen), 2592×1944 (N: 1.06MB/screen), 2048×1536 (N: 672KB/screen), 1280×960 (N: 356KB/screen), 640×480 (N: 83KB/screen)
Vibration correction function	CCD shift method	Recording modes	Still image modes (Still, CONT, S-CONT, M-CONT) / Program shift / Aperture priority / Manual exposure mode / Scene modes (Portrait / SEA&SEA / Landscape / Nightscape / Sky correction / Text / Zoom macro / High sensitivity) / Movie mode / My setting 1 & 2
Zoom	Optical: 3x (35mm camera equivalent 24-72mm) Digital: 4x (Maximum 12x when combined with optical)	Recording format	(Still picture) JPEG (Exif ver.2.21) *6, RAW (DNG) *7 (Movie) AVI (Open DML Motion JPEG format compliant) (Sound) WAV (Exif ver.2.21 μ law)
Shooting distance	Approx. 30cm / 12inch - infinity from lens tip (wide and tele)	LCD monitor display	2.5-inch transparent amorphous silicon TFT LCD (approx. 230,000 pixels)
Macro shooting distance	Approx. 1cm / 0.4inch - infinity from lens tip (wide), approx. 4cm / 1.6inch - infinity from lens tip (tele) Approx. 1cm / 0.4inch - infinity from lens tip (zoom macro mode)	Self timer	Operation time: approx. 10sec. / approx. 2sec.
Shutter speed	(Still image) 180, 120, 60, 30, 15, 8, 4, 2, 1 - 1/2000sec (Movie) 1/30 - 1/2000sec	Interval timer	Shooting interval: 5sec. - 3 hours (5sec. steps) *8
Pixels	(Still image) 3648×2736, 3648×2432, 2736×2736, 3264×2448, 2592×1944, 2048×1536, 1280×960, 640×480 (Text) 3648×2736, 2048×1536 (Movie) 640×480, 320×240	PC interface	USB2.0 Hi-Speed (mini-B cable), choice of original or Mass storage driver *9
Picture mode *1	F (Fine) / N (Normal) / RAW *2	AV interface	Audio OUT / Video OUT
ISO sensitivity (standard output sensitivity)	AUTO, AUTO-HI, ISO80, ISO100, ISO200, ISO400, ISO800, ISO1600	Video signal format	NTSC / PAL
Flash	AUTO, Red-eye reduction, On, Slow synchro, Soft flash, Off Flash range *3: Approx. 0.2m / 8inch - 5.0m / 200inch (wide), 0.15m / 6inch - 3.0m / 120inch (tele)	Dimensions (WxHxD)	111.6x58.0x25.0mm / 4.4x2.3x1 Inch (excluding projecting parts)
Focus	Multi AF, Spot AF, Manual focus, Snap (fixed focus), Infinity	Weight	Approx. 220g / 7.7oz (excluding batteries, SD memory card and strap)
Exposure adjustment	TTL-CCD metering method (AE lock possible); Multi light metering (256 segments), Center-weighted light metering, Spot metering	Battery	Rechargeable battery (DB-60) x 1, optional AC adaptor (AC4c), AAA battery (alkaline / oxyride / Ni-MH) x 2
Exposure compensation	Manual exposure compensation +2.0EV - -2.0 (1/3EV steps) Auto bracket function (-0.3EV, ±0, +0.3EV / -0.5EV, ±0, +0.5EV)	Shooting capacity *10	Conforms to CIPA standard Using the DB-60, approx. 340 pictures (Using AAA alkaline batteries: approx 30 pictures *11)
White balance	Auto, Outdoor, Cloudy, Incandescent, Fluorescent, Manual, White balance bracket	Operating temperature	0°C - 40°C
Memory type	SD memory card (32,64,128,256,512MB,1GB,2GB), SDHC memory card (4GB), Multi-media card, Internal memory (26MB)		
Storage capacity (No. of pictures) *4 (Internal 26MB memory)	(Still image) 3648×2736 (Raw: 1, F: 6, N: 11), 3648×2432 (Raw: 1, F: 7, N: 13), 2736×2736 (F: 8), 3264×2448 (N: 14), 2592×1944 (N: 22), 2048×1536 (N: 35), 1280×960 (N: 62), 640×480 (N: 276)		

Item	Specifications
Construction	Polycarbonate
Depth rating	55m / 180ft
Dimensions (WxHxD)	158x109x109mm / 6.3x4.4x4.4inch
Weight	Approx. 510g / 17.9oz (not including hard strap)
Underwater weight	Approx. -110g / -3.9oz

System Chart for DX-1G

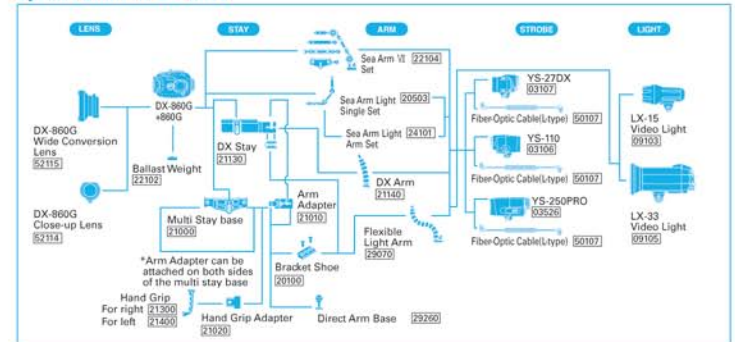


*1 Settable picture modes depend on image size. *2 Simultaneous recording with same size Fine/Normal modes or Normal 640 mode JPEG image. *3 When the flash range is set for ISO AUTO or ISO 400. *4 Estimated number of still images it is possible to record. *5 Max. recording time of 184min. 57sec. With 4GB SD memory card. *6 Conforms to DCF, compatible with DPOF. DCF is the abbreviation for the JEITA Design Rules for Camera Files System. *7 The DNG file format is a RAW image file format. It is a standard file format of Adobe Systems Inc. *8 With flash OFF. *9 Mass storage driver is compatible with Windows Me / 2000 / XP / Vista, Mac OS 9.0-9.2.2, and Mac OS X 10.1.2-10.4.8. It is not compatible with Windows 98SE or Mac OS 8.6. *10 Battery performance measured under conditions conforming to CIPA standards. These values are guidelines only. The actual performance may vary according to usage conditions and the battery manufacturer. *11 With AAA alkaline batteries manufactured by Matsushita Battery Industrial Co., Ltd.

Item	Specifications	Item	Specifications
Image Sensor	Type / Effective Pixels 1/2.5" CCD / Approx. 6.186 mega pixels (2864x2160)	Photo Frame	9 options
Total Pixels	Approx. 6,369 mega pixels	Self-timer	10 sec., 2sec., Double with LED indicator
Lens	Focal Length Wide: 5.8 mm, Tele: 17.4mm (35mm film equivalent: 35-105mm) F No. Wide: F2.8, Tele: F4.9 Digital Zoom	Voice Recording	Yes
LCD Display	2.5" color TFT LCD	Speaker	Yes
Viewfinder	Optical Viewfinder No	Storage	Media Internal memory: 32MB Flash Memory External memory: Supports SD/MMC cards File Format Still Image: JPEG EXIF2.2, DCF1.1, DPOF1.1, Movie Clip: AVI with audio Image Size [8.0M]: 3264x2448 via interpolation, (6M):2816x2112, (5M): 2560 x1920, (4M): 2304 x1728, (3M): 2048x1536, (2M): 1600x1200 Compatible Digital Music Player Yes Playback Function Single Image / AVI Play / MP3 and Wav Play / Thumbnails / Slide Show Supports Editing Functions Trimming, Rotation(not for 8.0MP) Supports Gaming Yes Interface Digital output connector: USB 2.0 High-Speed (Max. 480Mb/s), Other interface: MIC-in, Speaker, Ear-phone jack and Video-out (Use same connector as USB). Power Source NP40 Li-Ion battery with external charger Dimensions (WxHxD) 93.5 x 56 x 23 mm (Body: 20.8 mm) Weight Approx. 117 g (without battery and memory card) Software Camera Driver Mass Storage Driver for Windows98SE/Window 2000/ME/XP, Mac OS 9.2 or newer does not need driver Application Ulead Photo Explorer 8.5 SE Basic / Explorer 2(MAC version)
Viewfinder	Optical Viewfinder No	PictBridge (Direct Printing)	Compatible
Focusing	Type Auto focus with 3.0x optical zoom Range Macro mode: 5cm-80cm, Normal:80cm to infinity Shutter Type Mechanical shutter and electrical shutter Speed Normal: 2 sec. - 1/1500 sec. Night Scene: 8 sec. - 1/1500 sec. Exposure Control Programmed AE Compensation ±2EV (0.5EV / step) ISO Equivalent Auto, 100, 200, 400 Flash Modes Auto/Auto&Red-eye Reduction/Slow sync/Fill-in/off Range 0.2 - 3.0m, Wide mode (Recycle time (Full): less than 5 sec.) White Balance Auto/Daylight/Cloudy/Fluorescent/Tungsten/Sunset/Custom Shooting Still Image Modes: Single image, Continuous Shooting, AEB Live View Max. 30 fp with normal light level Movie Clip Size Support:640x480,320x240 with audio (Quality support: 24 fps and 15fps) Effect B/W, Normal, Sepia, RGB custom Sharpness Soft, Normal, Vivid Metering Multi / Spot		

Item	Specifications
Construction	Polycarbonate
Depth rating	45m / 150ft
Dimensions (WxHxD)	140.7x96.7x73.7mm / 5.6x3.9x2.9inch
Weight	Approx. 350g / 12.3oz (including the strap)
Underwater weight	Approx. -20g / -0.7oz

System Chart for DX-860G



Sea Arm & Stay for Digital Camera



Sea Arm Light

The perfect companion arm set for compact digital camera housings. This arm set is designed to be very mobile, compact, and light.

- Most parts are made from glass-fiber-fortified nylon. They are light and exceptionally rigid thanks to optimal shapes, materials, and sizes for every part.
- The O-ring located in the strobe-fixing bolt hole helps firmly fix the strobe in place with little force. The ergonomically designed knob lets you tighten the joint with minimal force and maximum security.
- Its compact size and flexible strobe configuration handles lighting for both wide-angle and macro photography.
- Its compact parts (including arms) fold small, ideal for storage.
- A rubber grip on the arm provides a comfortable handhold for photographers.

Sea Arm Light Single Set (Black)

20503

[Construction] Glass fiber fortified nylon
[The Sea Arm Light Single Set includes]

- 1 2 compact light arms: 130mm / 5.1inch x 2
 - 2 Compact light joint: 50x45mm / 2.0x1.8inch
 - 3 Compact light multi stay: 135x65x27mm / 5.3x2.6x1.1inch
 - 4 Light stay adaptor: 76x36x36mm / 3.0x1.4x1.4inch
 - 5 Compact light knob: 45x16mm / 1.8x0.6inch
- *Total weight of the Sea Arm Light Single Set: 330g / 11.6oz.



Sea Arm Light Arm Set

24101

Additional Arm Set when using two strobe lights with Sea Arm Light Single Set.



Multi Stay Set & Bracket Shoe



Multi Stay Set 21100

A stay is used to assemble arms and strobes with a camera or housing. It is an essential component in your underwater photography system. The SEA&SEA Multi Stay is a complete set of parts designed to be custom-configured to accommodate your specific system.

[Includes] ① Multi stay base ② Arm Adapter x 2



Bracket Shoe 20100

Attaches Sea Arm VII or flexible light arm to grip or stay (screws included).



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

Arm & Stay for Digital Camera



DX Arm 21140

A flexible arm suitable for mini strobes or small underwater light. Attaches to DX stay and multistay set.



DX Stay 21130

A lightweight stay that attaches SEA&SEA strobes and lights to digital cameras. Compatible with most digital cameras. Constructed of lightweight corrosion-resistant resin compound.



[Included] Bracket Shoe

Desiccant

Desiccant Pack (silica gel)

*5 packs in a hermetically sealed package

62108

Keep your digital camera dry in humid conditions: a silica gel pack inside your housing absorbs moisture and prevents condensation.



Fiber Optic Cable



Fiber-Optic Cable (L-type)

50107

This fiber-optic cable resists bending and has improved light-conducting efficiency.



Strobe Mask Set

NEW

50109

Stick the Velcro tape to the underwater housing covering the camera's built-in flash. Connect the Fiber-optic cable (L-type).

*The Velcro tape to be cut off in accordance with the shape of the housing.
*Compatibility depends on the model of the housing.



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.



Accessories for DX-8000G / DX-5000G

changeable underwater

Wide-Angle Conversion Lens 0.6x

52110

[Lens] 3 elements in 3 groups, multicoated
[Underwater angle of view] 94°(150° on land)
[Focal distance magnification] 0.6x
[Depth rating] 60m / 200ft
[Weight] 342g / 12oz
[Underwater weight] 190g / 6.7oz
[Dimensions (D/Ax/D)] 97x52.5mm / 3.8x2.1inch
[Accessories] Lens cap (F/R)

*This lens works above water, but slight vignetting (dimming) may appear in the four corners of the image due to the lens optical characteristics. Slightly zoom in to telephoto to eliminate vignetting.



Lens Caddy for DX-8000G / DX-5000G

60103

The caddy enables the wide-angle conversion lens 0.6x to be attached to either the Sea Arm Light or Sea Arm VII.



Ballast Weight

22102

Without accessories, the DX-750G and DX-8000G / DX-5000G are positive buoyant; the cameras float. For negative buoyancy without accessories, attach the ballast weight.





An underwater photograph of a sea turtle swimming in clear blue water. The turtle's head and front flippers are visible in the lower-left corner. The background is a deep blue with some light filtering through from the surface.

Another world in the sea

Blue, like a fair sky, created by sunlight penetrating the sea

An underwater cavern meandering through a shelf of coral

Tropical fish dancing like flowers, falling in the wind

A sea turtle swimming leisurely

There is another world in the sea

Subjects for photos always appear out of the blue in the sea



U/W Housing for Nikon D80

DX-D80



This advanced streamlined housing takes the powerful Nikon D80 digital SLR camera underwater.

DX-D80 Housing (Black) (Housing only) [06122] *Port is sold separately. [O-ring Set [62121]

[Accessories] Housing body cap, camera quick shoe, hex wrench, CR2032 lithium battery

- An optional TTL converter III for Nikon enables automatic TTL strobe photography.
- The front section of the body is made of a corrosion-resistant aluminum alloy for maximum rigidity and a solid feel.
- A 0.66x pickup viewfinder displays the full frame of the camera's viewfinder. Accepts an optional interchangeable viewfinder.
- The shutter lever provides instant response to a gentle finger press.
- Ergonomic grips provide a firm and comfortable hold underwater.
- Accepts the full variety of NX lens ports and accessories.
- Controls almost all of the Nikon D80's essential functions underwater.
- The quick shoe makes the camera easy to install and remove from the housing.
- A port lock mechanism secures the port from accidental loosening.
- Comes standard with two kinds of type-N connectors: one 2-pin wired connector and one 5-pin wired connector.
- Three locking latches prevent accidental opening.
- A built-in leak sensor immediately alerts you to any water leakage.

Item	Specifications
Construction	Front case: corrosion-resistant aluminum alloy Rear case: polycarbonate Grip: corrosion-resistant die-cast aluminum alloy
Depth rating	60m / 200ft
Dimensions (WxHxD)	350x180x135mm / 14x7.2x5.4inch
Weight	Approx. 2,700g / 94.5oz (Housing only)

Details



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

TTL converter connector employed as standard.

The included type-N 5-pin wired connector accepts the optional TTL converter III for Nikon. The converter works with a SEA&SEA strobe to provide automatic TTL flash adjustment.

*The converter requires the Sync Cord/N for connecting to a strobe.
 *The DX-D80 housing comes from the factory with these type-N connectors: one 2-pin wired connector and one 5-pin wired connector.
 *To use two SEA&SEA YS-Series strobes with the factory-equipped type-N connectors, you must use the Dual Sync Cord/N.

+ Optional

Replacement of the strobe sync connector (5-pin wired → 2-pin wired) [89039]

Customizing the housing offers additional functions. You can replace the 5-pin wired TTL converter connector on the top of the housing with a 2-pin wired strobe connector for an additional cost. This modification provides two 2-pin wired connectors so you can connect two SEA&SEAYS-series strobes.
 *This modification does not support automatic TTL flash adjustment. It requires the Sync Cord/N.

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.

TTL Converter III for Nikon [50112]

[O-ring Set [62126]

This converter is equipped with a built-in TTL PCB that connects a Nikon digital SLR with SEA&SEA YS-Series strobes and uses the camera's TTL flash adjustment to control the amount of light put out by the strobe. The converter allows quick switching underwater between TTL mode and manual mode from outside the camera. You can use the TTL correction dial after checking the results of a shot in the LCD monitor to adjust the amount of strobe light for the next shot. Because the converter comes with two separate strobe connectors, you can use advanced automatic TTL flash adjustment with two strobes.



[Construction] Main body: Polycarbonate, Mounting plate: Corrosion-resistant aluminum alloy.
 [Controls] TTL mode / manual switch / TTL light adjustment dial (from +1 to -1 in 1/3 increments)
 [Battery] CR2 lithium battery (included)
 [Strobe-side connector] Sync Cord/N
 [Camera-side connector] Type-N sync cord (5-pin wired connector)
 [Depth rating] 60m / 200ft
 [Dimensions (WxHxD)] 68x90x75mm / 2.7x3.6x3inch
 [Weight] Approx. 320g / 11.3oz (including CR2 battery)
 [Compatible housings] DX-D200, DX-S5Pro, DX-D80, DX-D70/70s (with customized connector), DX-D50 (with customized connector)
 [Light adjustment recognition] Nikon method (TTL flash adjustment)
 *Not compatible with the YS-250PRO.

System Examples





U/W Housing for Canon EOS Digital Rebel XTi/400D

DX-400D

Packed with advanced features that are easy to use.
A TTL strobe converter comes standard with the housing.

DX-400D Housing (Black) (Housing only) [06126] *Port is sold separately. [O-ring Set] [62121]

[Accessories] Housing body cap, camera quick shoe, hex wrench, CR2032 lithium batteries



Details



The DX-400D housing is built to take Canon's powerful new EOS Digital Rebel XTi/400D camera underwater with you. The housing's lightweight and compact body has two parts: an aluminum alloy front and a black-coated polycarbonate rear case combined for superior rigidity and durability. Its small size makes it easy to carry and to handle underwater.

This is SEA&SEA's first housing to include a built-in TTL strobe converter as a standard feature. The TTL converter connects the camera's TTL flash circuitry to an external strobe. The camera meters the amount of strobe light coming through its lens and automatically adjusts the strobe's output for a perfect exposure. TTL's precision and ease makes it simple for divers to get striking digital SLR images right out of the box. There's no need to complicate your dive by fiddling with manual controls to get the right flash intensity.

This housing comes with a type-N strobe connector (3-pin wired). This connector works with most of the SEA&SEA YS-series strobes. The housing is compatible with the SEA&SEA NX family of ports that accommodate a wide variety of different camera lenses underwater from wide-angle to full macro.

The DX-400D puts the full potential of the Rebel XTi/400D at your fingertips underwater. Take it with you on your next dive trip to bring home the images you've always dreamed of.

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

■ This is SEA&SEA's first housing with a built-in TTL converter. You can set it to manual or TTL mode inside the housing to match your preferred shooting style.

■ The front section of the body is made of a corrosion-resistant aluminum alloy for maximum rigidity and a solid feel.

■ The housing's ergonomic grip makes it easy to hold.

■ The 0.66x standard viewfinder presents a bright view of the camera's currently framed image. You can swap this viewfinder with the optional SEA&SEA viewfinder to tailor the view to your needs.

■ Comes standard with a type-N strobe connector (3-pin wired).

■ The leak sensor tells you immediately if water gets into the housing.

Comes standard with a built-in TTL converter.

The built-in TTL converter for Canon enables automatic TTL strobe control of connected SEA&SEA strobes. You can easily switch it to manual mode if you prefer not to use TTL strobe control.



*The Sync Cord/N is required for connecting to a strobe.
*You can't operate the TTL converter (mode) switch from outside the housing.
*The DX-400D is not TTL-compatible with the YS-250PRO.

Comes standard with a type-N strobe connector.

A type-N strobe connector (3-pin wired) works with most of the SEA&SEA YS-series strobes.



*Requires the Sync Cord/N to connect a strobe.
*Requires the Dual Sync Cord/N to connect two SEA&SEA YS-Series strobes.

+ Optional

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.



Zoom Gear for EF-S 18-55mm F3.5-5.6 II USM

[31119]



Item	Specifications
Construction	Front case: corrosion-resistant aluminum alloy Rear case: polycarbonate Grip: corrosion-resistant die-cast aluminum alloy
Depth rating	60m / 200ft
Dimensions (WxHxD)	350x180x135mm / 14x7.2x5.4inch
Weight	Approx. 2700g / 94.5oz (housing only)

System Examples

- DX-400D Housing
- NX Compact Macro Port Base
- Compact Wide Port L
- YS-110
- Sync Cord/N
- Sea Arm VII



- DX-400D Housing
- NX Compact Macro Port Base
- Compact Macro Port S
- YS-110 x 2
- Dual Sync Cord/N
- Sea Arm VII x 2

- DX-400D Housing
- Optical Dome Port
- YS-250PRO x 2
- Dual Sync Cord/N
- Sea Arm VII x 2

U/W Housing for FUJIFILM FinePix S5 Pro

DX-S5Pro

Advanced features in a stylish, compact package. This housing puts the professional quality of the FUJIFILM FinePix S5 Pro camera to work underwater.

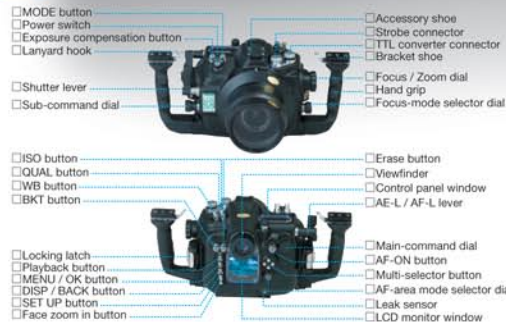


DX-S5Pro Housing (Black) (Housing only) [06127] *Port is sold separately. [O-ring Set [62121]]

[Accessories] Housing body cap, camera quick shoe, hex wrench, CR2032 lithium battery

- The optional TTL converter III (for Nikon) enables automatic TTL flash adjustment.
- The tough aluminum body is compact, very close in size to the camera's dimensions, and is easy to hold stable underwater.
- The front and rear halves of the body are both made of a corrosion-resistant aluminum alloy improved and enhanced for better rigidity and handling.
- Ergo grips for a firm, easy hold.
- The pickup viewfinder, a key element for digital SLR photography, magnifies 0.66x for clearer framing.
- The shutter lever is sensitive and provides clear feedback for the finger.
- Two type-N connectors (2-pin wired and 5-pin wired) come standard with the housing.
- The housing is compatible with NX lens ports and other NX accessories.
- The housing controls provide most of the FinePix S5 Pro features underwater.
- The quick shoe makes it easy to insert and remove the camera.
- The locking latches prevent accidental housing opening.
- The leak sensor tells you immediately if water gets into the housing.

Details



*The LCD image pictured here is simulated.

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

TTL converter connector employed as standard.

The included type-N 5-pin wired connector accepts the optional TTL converter III for Nikon. The converter works with a SEA&SEA strobe to provide automatic TTL flash adjustment.

*The converter requires the Sync Cord/N for connecting to a strobe.

*The DX-S5Pro housing comes from the factory with these type-N connectors: one 2-pin wired connector and one 5-pin wired connector.

*To use two SEA&SEA YS-Series strobes with the factory-equipped type-N connectors, you must use the Dual Sync Cord/N.



+Optional

Replacement of the strobe sync connector (5-pin wired → 2-pin wired)

[89044]

Customizing the housing offers additional functions. You can replace the 5-pin wired TTL converter connector on the top of the housing with a 2-pin wired strobe connector for an additional cost. This modification provides two 2-pin wired connectors so you can connect two SEA&SEA YS-Series strobes.

*This modification does not support automatic TTL flash adjustment. It requires the Sync Cord/N.

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.



TTL Converter III for Nikon

[50112]

[O-ring Set [62126]]

*Not compatible with the YS-250PRO.

NEW



© Marc Montocchio

U/W Housing for Nikon D200

DX-D200



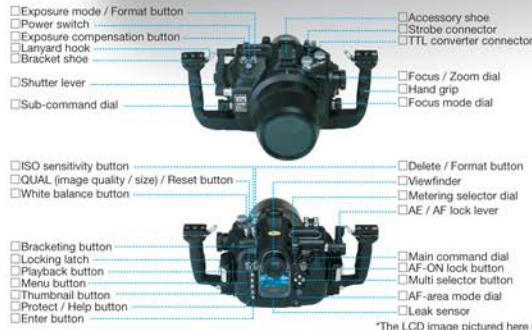
Our DX-D200 housing for the popular Nikon D200 digital camera puts TTL flash accuracy at your fingertips for vivid and spot-on exposures.

DX-D200 Housing (Black) (Housing only) [06120] *Port is sold separately. [O-ring Set [62121]]

[Accessories] Housing body cap, camera quick shoe, hex wrench, CR2032 lithium battery

- The optional TTL converter III for Nikon enables automatic TTL flash adjustment.
- The tough aluminum body is compact, very close in size to the camera's dimensions, and is easy to hold stable underwater.
- The front and rear halves of the body are both made of a corrosion-resistant aluminum alloy improved and enhanced for better rigidity and handling.
- The pickup viewfinder, a key element for digital SLR photography, magnifies 0.66x for clearer framing.
- The shutter lever is sensitive and provides clear feedback for the finger.
- Two type-N connectors (2-pin wired and 5-pin wired) come standard with the housing.
- The housing is compatible with NX lens ports and other NX accessories.
- The housing controls provide most of the Nikon D200 features underwater.
- The quick shoe makes it easy to insert and remove the camera.
- The port lock mechanism prevents the port from accidental loosening.
- The locking latches prevent accidental housing opening.
- The leak sensor tells you immediately if water gets into the housing.

Details



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

TTL converter connector employed as standard.

The included type-N 5-pin wired connector accepts the optional TTL converter III for Nikon. The converter works with a SEA&SEA strobe to provide automatic TTL flash adjustment.

*The converter requires the Sync Cord/N for connecting to a strobe.

*The DX-D200 housing comes from the factory with these type-N connectors: one 2-pin wired connector and one 5-pin wired connector.

*To use two SEA&SEA YS-Series strobes with the factory-equipped type-N connectors, you must use the Dual Sync Cord/N.



+ Optional

Replacement of the strobe sync connector (5-pin wired → 2-pin wired)

[89033]

Customizing the housing offers additional functions. You can replace the 5-pin wired TTL converter connector on the top of the housing with a 2-pin wired strobe connector for an additional cost. This modification provides two 2-pin wired connectors so you can connect two SEA&SEA YS-Series strobes.

*This modification does not support automatic TTL flash adjustment. It requires the Sync Cord/N.

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.



TTL Converter III for Nikon

[50112]

[O-ring Set [62126]]

*Not compatible with the YS-250PRO.



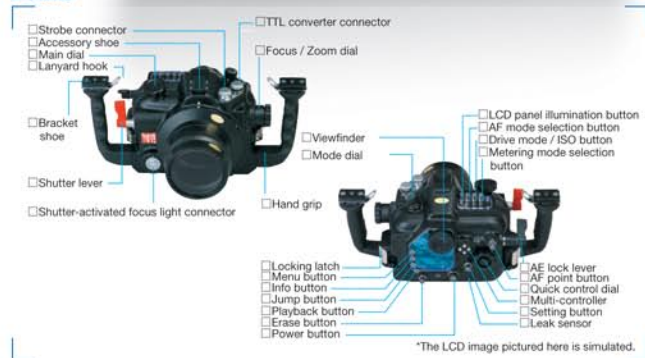
© Marc Montocchio

U/W Housing for Canon EOS 5D

DX-5D



Details



*The LCD image pictured here is simulated.



© Marc Montocchio

Our housing for the Canon EOS 5D camera brings the power of professional SLR imaging underwater.

DX-5D Housing (Off White) (Housing only) [06119] (Black) (Housing only) [06124]

with circuitry for shutter-activated focus light.
[Accessories] Housing body cap, camera quick shoe, hex wrench, CR2032 lithium battery *Port is sold separately. [O-ring Set [62125]]

- The optional TTL converter for Canon enables automatic TTL flash adjustment.
- The tough aluminum body is compact, very close in size to the camera's dimensions, and is easy to hold stable underwater.
- The front and rear halves of the body are both made of a corrosion-resistant aluminum alloy improved and enhanced for better rigidity and handling.
- The pickup viewfinder, a key element for digital SLR photography, magnifies 0.66x for clearer framing.
- The shutter lever is sensitive and provides clear feedback for the finger.
- Two type-N connectors (2-pin wired and 6-pin wired) come standard with the housing.
- The housing is compatible with NX lens ports and other NX accessories.
- The housing controls provide most of the Canon EOS 5D features underwater.
- The quick shoe makes it easy to insert and remove the camera.
- The port lock mechanism prevents the port from accidental loosening.
- The locking latches prevent accidental opening.
- The leak sensor tells you immediately if water gets into the housing.

Item	Specifications
Construction	Body: corrosion-resistant aluminum alloy Grip: corrosion-resistant die-cast aluminum alloy
Depth rating	60m / 200ft
Dimensions(WxHxD)	340x170x141mm / 13.6x6.8x5.6inch
Weight	Approx. 2,500g / 87.5oz (housing only)

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

Optional

Replacement of the strobe sync connector (6-pin wired → 2-pin wired) [89034]

Customizing the housing offers additional functions. You can replace the 6-pin wired TTL converter connector on the top of the housing with a 2-pin wired strobe connector for an additional cost. This modification provides two 2-pin wired connectors so you can connect two SEA&SEA YS-Series strobes.

- *This modification does not support automatic TTL flash adjustment. It requires the Sync Cord/N.
- *The DX-5D housing comes from the factory with these type-N connectors: one 2-pin wired connector and one 6-pin wired connector.
- *To use two SEA&SEA YS-Series strobes with the factory-equipped type-N connectors, you must use the Dual Sync Cord/N.

TTL Converter for Canon [50106]

[O-ring Set [62126]]

This converter is equipped with a built-in TTL PCB that connects a Canon digital SLR with SEA&SEA YS-Series strobes and uses the camera's TTL flash adjustment to control the amount of light put out by the strobe. The converter allows quick switching underwater between TTL mode and manual mode from outside the camera. You can use the TTL correction dial after checking the results of a shot in the LCD monitor to adjust the amount of strobe light for the next shot. Because the converter comes with two separate strobe connectors, you can use advanced automatic TTL flash adjustment with two strobes.



- [Construction] Main body: Polycarbonate, Mounting plate: Corrosion-resistant aluminum alloy
- [Controls] TTL mode / manual switch / TTL light adjustment dial (from +1 to -1 in 1/3 increments)
- [Battery] CR2 lithium battery (included)
- [Strobe-side connector] Sync Cord/N
- [Camera-side connector] Type-N sync cord (6-pin wired connector)
- [Depth rating] 60m / 200ft
- [Dimensions (WxHxD)] 95x85x75mm / 3.8x3.4x3inch
- [Weight] Approx. 420g / 14.7oz (including CR2 battery)
- [Compatible housings] DX-5D, DX-350D (with customized connector)
- [Light adjustment recognition] Canon method (TTL flash adjustment)

*Not compatible with the YS-250PRO.

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.



Dial Adapter [46103]

[46103]



This large-diameter adapter ring makes it easier to operate the main dial on the DX-5D housing.

U/W Housing for Canon EOS Digital Rebel XT/350D

DX-350D

It feels solid and well balanced in hand and wields underwater with the utmost ease, even in the most adverse conditions.

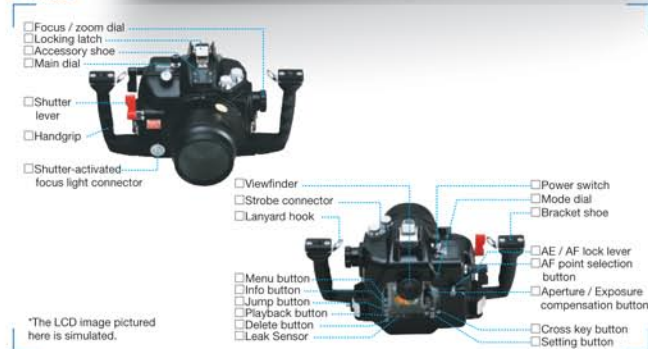
DX-350D Housing (Black) (Housing only) [06118] *Port is sold separately. [O-ring Set [62121]]

with circuitry for shutter-activated focus light.

[Accessories] Housing body cap, camera quick shoe, hex wrench, CR2032 lithium battery



Details



- Smaller and lighter than prior housings for Canon cameras, the DX-350D is so compact that its outer dimensions approximate those of the camera.
- The optional TTL converter for Canon enables automatic TTL flash adjustment.
- The front case is constructed of corrosion-resistant aluminum alloy that is at once sleek and rugged.
- Supports all of the Digital Rebel XT/350D functions critical for underwater imaging.
- Employs a 0.66x pickup viewfinder, with corner-to-corner clarity and easy camera data viewing.
- The shutter lever responds fast and flawlessly for lightning quick capture you often need underwater.
- Accommodates most NX lens ports and accessories for NX housings.
- The port lock mechanism assures a safe and secure port mount.
- Two strobe connectors employed as standard (2-pin wired type-N connectors).
- Three heavy-duty locking latches prevent accidental disengagement of the cases.
- Built-in leak sensor signals an alarm if moisture is detected.
- Equipped with an accessory bulkhead connector to dedicate a shutter-activated focus light.

Item	Specifications
Construction	Front case: corrosion-resistant aluminum alloy Rear case: polycarbonate Grip: corrosion-resistant die-cast aluminum alloy
Depth rating	60m / 200ft
Dimensions (WxHxD)	350x180x135mm / 14x7.2x5.4inch
Weight	Approx. 2,700g / 94.5oz (housing only)

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

Two type-N connectors employed as standard.

Equipped with two type-N (2-pin wired) connectors for dual strobe lighting. Enables a wide range of strobe work from macro to wide.



+ Optional

Replacement of the strobe sync connector (2-pin wired to 6-pin wired)

[89032]

The 2-pin wired strobe connector on the top of the housing can be replaced with a 6-pin wired connector that accepts the optional TTL converter.

*The Sync Cord/N is required to connect a strobe to the TTL converter.

*The DX-350D housing comes from the factory with two 2-pin wired type-N strobe connectors.

TTL Converter for Canon

[50106]

[O-ring Set [62126]]

*Not compatible with the YS-250PRO.



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NX Ports

Optical Dome Port

30104

This AR multi-coated glass dome port is ideal for wide-angle photography with a digital SLR camera. It comes with a port case and a dome port cover.



- Greatly reduces peripheral aberration (distortion) so images are clear from corner to corner.
- Efficient light transmission sharpens images.
- Made of glass so it sheds water droplets, excellent for clear over/under shots (half above water, half below).

[Dimensions (DIAxD)] 181x78mm / 7.2x3.1inch
[Weight] Approx. 950g / 33.2oz

[Construction] Corrosion-resistant aluminum alloy (anodized, anti-reflection coating on the inner surface)

- Dome: Optical glass BK7 (AR multi-coated)
[Compatible models] NX and DX housings for SLR cameras except NX-100PRO, NX-5PRO, DX-D100 and DX-S2Pro

*Consult a SEA&SEA authorized service center for more compatibility information.

NX Fisheye Dome Port

56401

[Dimensions (DIAxD)] 242x104mm / 9.7x4.2inch
[Weight] Approx. 1,000g / 35oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating, antireflection coating)

- Dome: Acrylic
- Shade: ABS resin



NX Compact Dome Port

56601

[Dimensions (DIAxD)] 174x79.5mm / 7x3.2inch
[Weight] Approx. 410g / 14.4oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating, antireflection coating)

- Dome: Acrylic
- Shade: ABS resin



NX Standard Flat Port

56101

[Dimensions (DIAxD)] 132x98mm / 5.3x3.9inch
[Weight] Approx. 600g / 21oz
[Construction] ABS resin + Tempered glass



NX Custom Flat Port

56231

[Dimensions (DIAxD)] 132x98mm / 5.3x3.9inch
[Weight] Approx. 680g / 23.8oz
[Construction] ABS resin + Tempered glass



NX Zoom Port

51101

[Dimensions (DIAxD)] 147x118mm / 5.9x4.7inch
[Weight] Approx. 940g / 32.9oz
[Construction] ABS resin + Tempered glass



DX Macro Port Base

30105

[Dimensions (DIAxD)] 132x42.5mm / 5.3x1.7inch
[Weight] Approx. 250g / 8.8oz
[Construction] Corrosion-resistant aluminum alloy (anodized)



NX Compact Macro Port Base

56201

[Dimensions (DIAxD)] 132x66.5mm / 5.3x2.7inch
[Weight] Approx. 290g / 10.2oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating)



Port Covers & Body Caps

Fits securely over the port mount or face of the port and protect them from dust, debris or scratches.

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



Rear Port Cover <S>

51250

- CX Compact Dome Port
- Compact Macro Ports



Rear Port Cover <L>

51260

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



Housing Body Cap <S>

51270

- CX-603



Housing Body Cap <L>

51280

- NX-series housings
- DX-series housings



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

Wide Port

Compact Wide Port L

30103

[Dimensions (DIAxD)] 154.5x57.8mm / 6.2x2.3inch
[Weight] Approx. 680g / 23.8oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating) + Tempered glass



Extension Rings

SX Extension Ring

50261

[Dimensions (DIAxD)] 135.5x35.5mm / 5.4x1.4inch
[Weight] Approx. 277g / 9.7oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating)



Extension Ring 22

56270

[Dimensions (DIAxD)] 103x38mm / 4.1x1.5inch
[Weight] Approx. 120g / 4.2oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating)



Extension Ring 40

56111

[Dimensions (DIAxD)] 135x56.5mm / 5.4x2.3inch
[Weight] Approx. 345g / 12.1oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating)



CX Port

Compact Dome Port

46100

[Dimensions (DIAxD)] 174x87mm / 7x3.5inch
[Weight] Approx. 360g / 12.6oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating, antireflection coating)
- Dome: Acrylic
- Shade: ABS resin



Port Case

Port Case

66103

Compatible with the Optical Dome Port. PE foam in the package absorbs external shock.

[Dimensions (WxHxD)] 190x95x190mm / 7.6x3.8x7.6inch
[Construction] Nylon



Port Covers

Optical Dome Port Cover

46102

- Optical Dome Port



NX Dome Port Cover

51211

- NX Fisheye Dome Port



Macro Ports

DX Macro Port 50

30106

[Dimensions (DIAxD)] 117x81mm / 4.7x3.2inch
[Weight] Approx. 370g / 13oz
[Construction] Corrosion-resistant aluminum alloy (anodized) + Tempered glass (multi-coated)



Compact Macro Port S (35)

56211

[Dimensions (DIAxD)] 102.5x51mm / 4.1x2inch
[Weight] Approx. 227g / 7.9oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating) + Tempered glass



Compact Macro Port M (67)

56221

[Dimensions (DIAxD)] 102.5x83mm / 4.1x3.3inch
[Weight] Approx. 278g / 9.7oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating) + Tempered glass



Compact Macro Port 52

56241

[Dimensions (DIAxD)] 102.5x68mm / 4.1x2.7inch
[Weight] Approx. 259g / 9.1oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating) + Tempered glass



Compact Macro Port 79

56251

[Dimensions (DIAxD)] 102.5x95mm / 4.1x3.8inch
[Weight] Approx. 298g / 10.4oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating) + Tempered glass



Compact Macro Port 111

56261

[Dimensions (DIAxD)] 102.5x127mm / 4.1x5.1inch
[Weight] Approx. 342g / 12oz
[Construction] Corrosion-resistant aluminum alloy (alumite coating) + Tempered glass



Wide Port Cover

46101

- Compact Wide Port
- Compact Wide Port L



Compact Dome Port Cover

46020

- NX Compact Dome Port
- CX Compact Dome Port



Sea Arm Set

Sea Arm VII

This multiple-type arm stay set has been updated to allow greater tightening force. Plastic resin construction prevents electric corrosion and makes it more durable. The new ball joint design allows firmer tightening and smoother loosening, and tighter grip at each joint makes arm position more secure.

Sea Arm VII Set

22104

[Construction] Plastic resin reinforced with glass fiber
[Length/Weight]

- ① Camera base: 40x70x135mm / 126g (1.6x2.8x5.4inch / 4.4oz)
- ② Double Ball S + Grip S: 191mm / 120g (7.6inch / 4.2oz)
- ③ Double Ball M + Grip M: 231mm / 150g (9.2inch / 5.3oz)
- ④ Head SS: 116mm / 50g (4.6inch / 1.8oz)
- ⑤ Head S: 186mm / 70g (7.4inch / 2.5oz)
- ⑥ Ball Base: 80mm / 51g (3.2inch / 1.8oz)
- ⑦ Two Ball Joint set: 70mm / 101g (2.8inch / 3.5oz)
- ⑧ Slide Fixed Direct Arm: 61mm / 100g (2.4inch / 3.5oz)

Sea Arm VII Basic Set

22106

Plain and simple arm set for SLR camera / video housings.

- ② Double Ball S + Grip S
- ③ Double Ball M + Grip M
- ④ Head SS
- ⑤ Head S
- ⑦ Two Ball Joint set:
- ⑧ Slide Fixed Direct Arm



Shutter-Activated Focus Light

Shutter-Activated Focus Light

46060

Improves autofocus performance in low-light situations and night diving. Essential for macro photography. No modification required for models equipped with a corresponding connector.

[Power] 2.1W / 6V

[Power source] CR123A x 2

[Battery life] 3.5 consecutive hours

[Depth rating] 60m / 200ft

[Dimensions (cord excluded)] 59x37x143mm / 2.3x1.5x5.6inch

[Weight (battery excluded)] Approx. 230g / 8oz

[Accessories] Diffuser

*Requires the Mini Shoe Arm or Hot Shoe Arm (optional) to attach the Shutter-activated Focus Light to a housing.



Example

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

Flexible Light Arm

Flexible Light Arm

29070

This arm attaches to a Sea Arm bracket and enables limitless angles of illumination. Extension arm available for adjustment of length.



4-Piece Kit for Flexible Light Arm

Flexible Light Arm 4-Piece Kit

29080

4-section extension. Mounting tool optional.



Multi Strobe Ring

Multi Strobe Ring ϕ 94mm

46050

- CX600 / CX603

Multi Strobe Ring ϕ 100mm

41200

- NX-series housings
- DX-series housings



New Housing Lanyard

New Housing Lanyard

56061

Attaches to the hand grips. A safe and convenient way to carry your housing. It can be attached to any SEA&SEA housing model.



Shoe Arms

Hot Shoe Arm

29501

This shoe arm attaches to a housing port or an accessory shoe on the multi strobe ring. Accepts small strobes, shutter-activated focus light, or miniQ40 light.



Hot Shoe Arm III

22103

An accessory shoe arm with swivel capability of 360°.



Mini Shoe Arm

29511

This mini shoe arm attaches to a housing port or an accessory shoe on the multi strobe ring. Accepts small strobes, shutter-activated focus light, or miniQ40 light.



Direct Arm Base

Direct Arm Base

29260

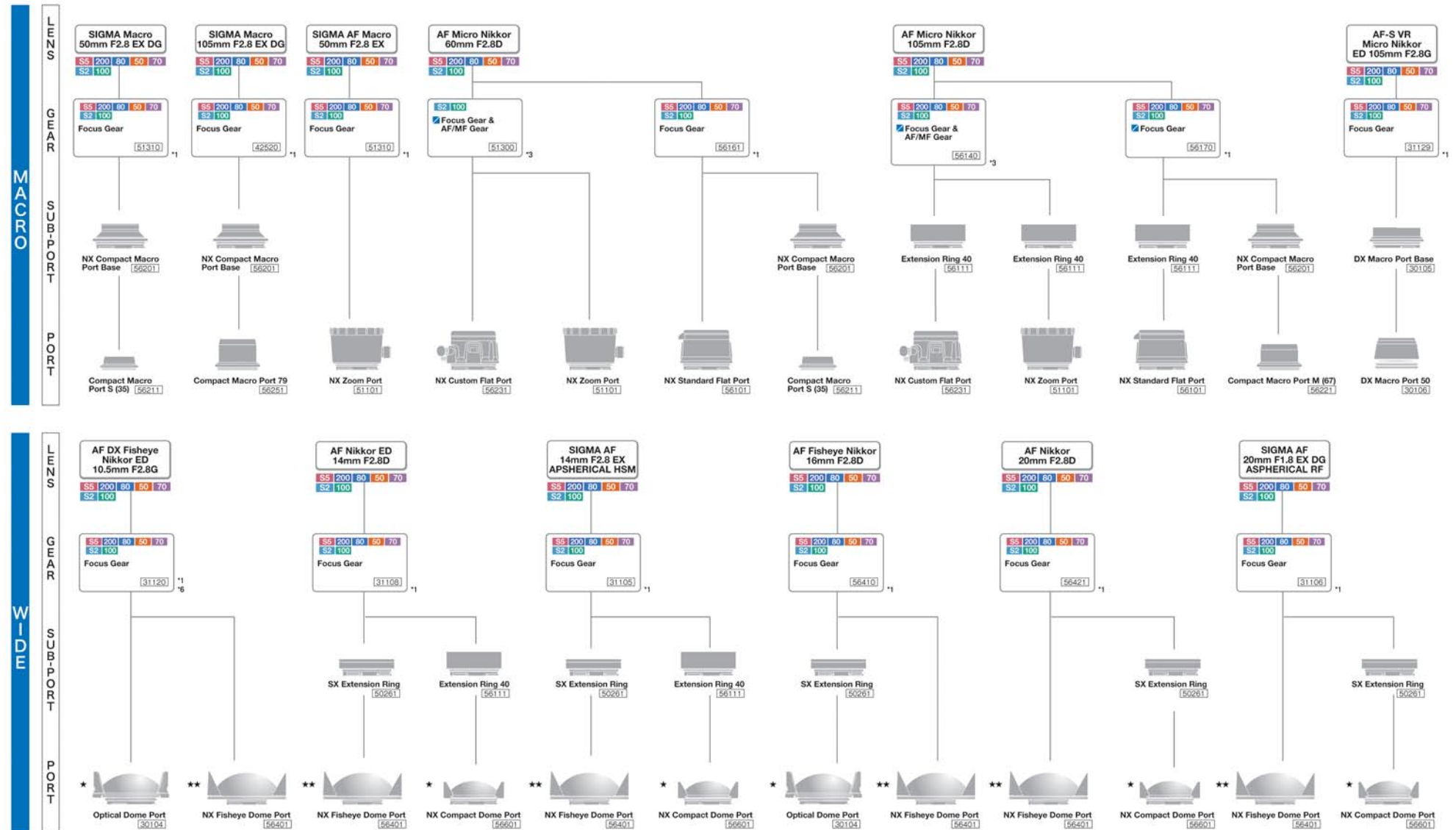
Attaches to the top of a housing grip and holds a Sea Arm VII. Appropriate for types of photography that do not require a long arm, such as macro.

*Not compatible with housings for video cameras.



System Chart for Nikon / FUJII SLR Housings

DX-S5Pro, DX-D200, DX-D80, DX-D50, DX-D70, DX-S2Pro, DX-D100



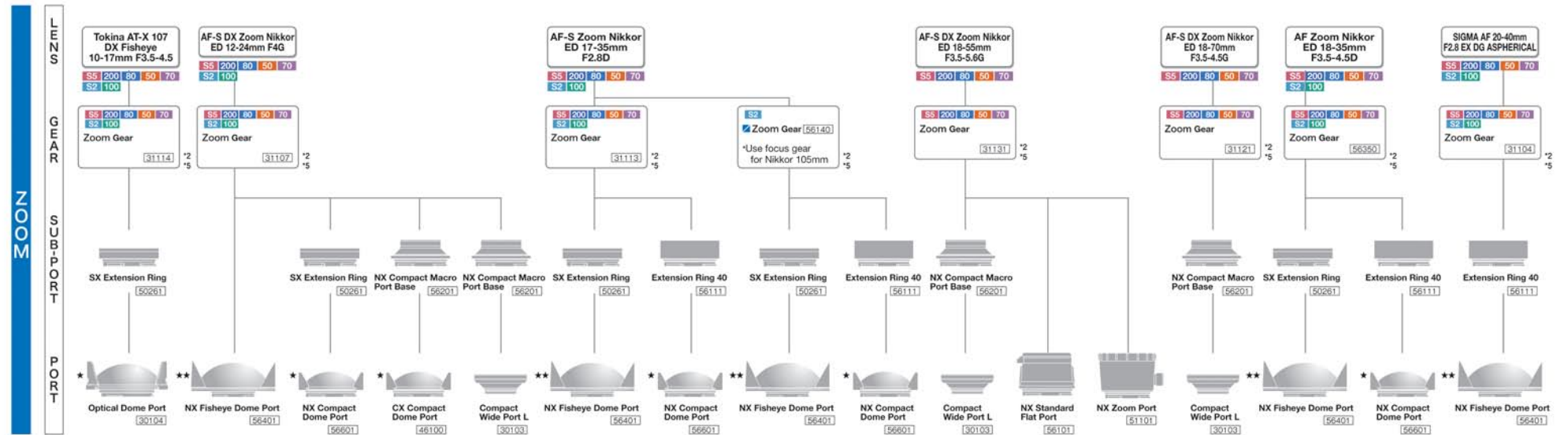
Lenses with the following marks are compatible

S5 DX-S5Pro 200 DX-D200 80 DX-D80 50 DX-D50 70 DX-D70 S2 DX-S2Pro 100 DX-D100

- ★★ : No apparent image aberration ★ : Image aberration is sometimes apparent
- *1:Focus is adjustable with the focus knob on housing.(main-body) *2:Zoom is controllable with the focus knob on the housing.(main-body)
- *3:Focus is adjustable with the focus knob on the port. *4:Zoom is adjustable with the zoom knob on the port. *5:Manual focus cannot be used.
- *6:Using the optical dome port with DX-S2Pro or DX-D100 housing requires factory modification.
- ⚡ Please note that models with this symbol have been discontinued. Availability is limited.

System Chart for Nikon / FUJII SLR Housings

DX-S5Pro, DX-D200, DX-D80, DX-D50, DX-D70, DX-S2Pro, DX-D100



SLR Port Selection with System Chart

SEA&SEA offers a broad range of ports in order to accommodate the various lenses available. Macro (close-up range), Zoom (adjustable range), and Wide-Angle (fixed wide range) lenses require differing ports and accessories. The focus ranges (Macro, Zoom, Wide-Angle) you select will require specific ports to fit on your housing. Certain ports may be compatible with more than one lens. Please note that use of the wrong port or wrong combination of ports for a lens may cause vignetting and/or damage to the lens or port(s).

Housing out of the box

As shown, the camera lens is not protected since no port is mounted on the housing. The housing will not function properly and be watertight unless an appropriate port(s) is mounted correctly. The specific camera lens will require a port or combination of ports to be selected.



Sample: DX-S5PRO housing, Nikkor 105mm Macro Lens with Focus Gear

Focus gears and zoom gears

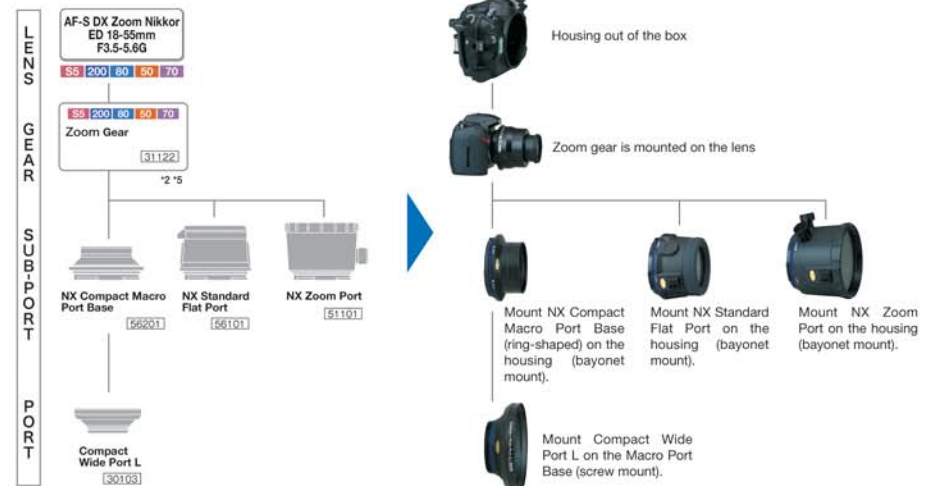
A focus gear allows the photographer to manually focus a lens underwater. A zoom gear allows the photographer to zoom a lens in and out (from wide-angle to zoom) underwater. There are two ways to control the focus or zoom gears. One option enables control with an adjustment knob on the port such as the NX Custom Flat Port. The other option enables control with the Focus/Zoom dial located on the housing. (Refer to *1 to *5.) Mounting a gear on a lens is easy. Hold the gear parallel to the lens and push in the gear until the designated position as outlined in the instructions provided with the gear. (Mounting instructions may vary depending on lens.)



Focus gear mounted on AF Micro Nikkor 60mm F2.8D lens
Focus gear mounted on EF-S 60mm Macro USM lens

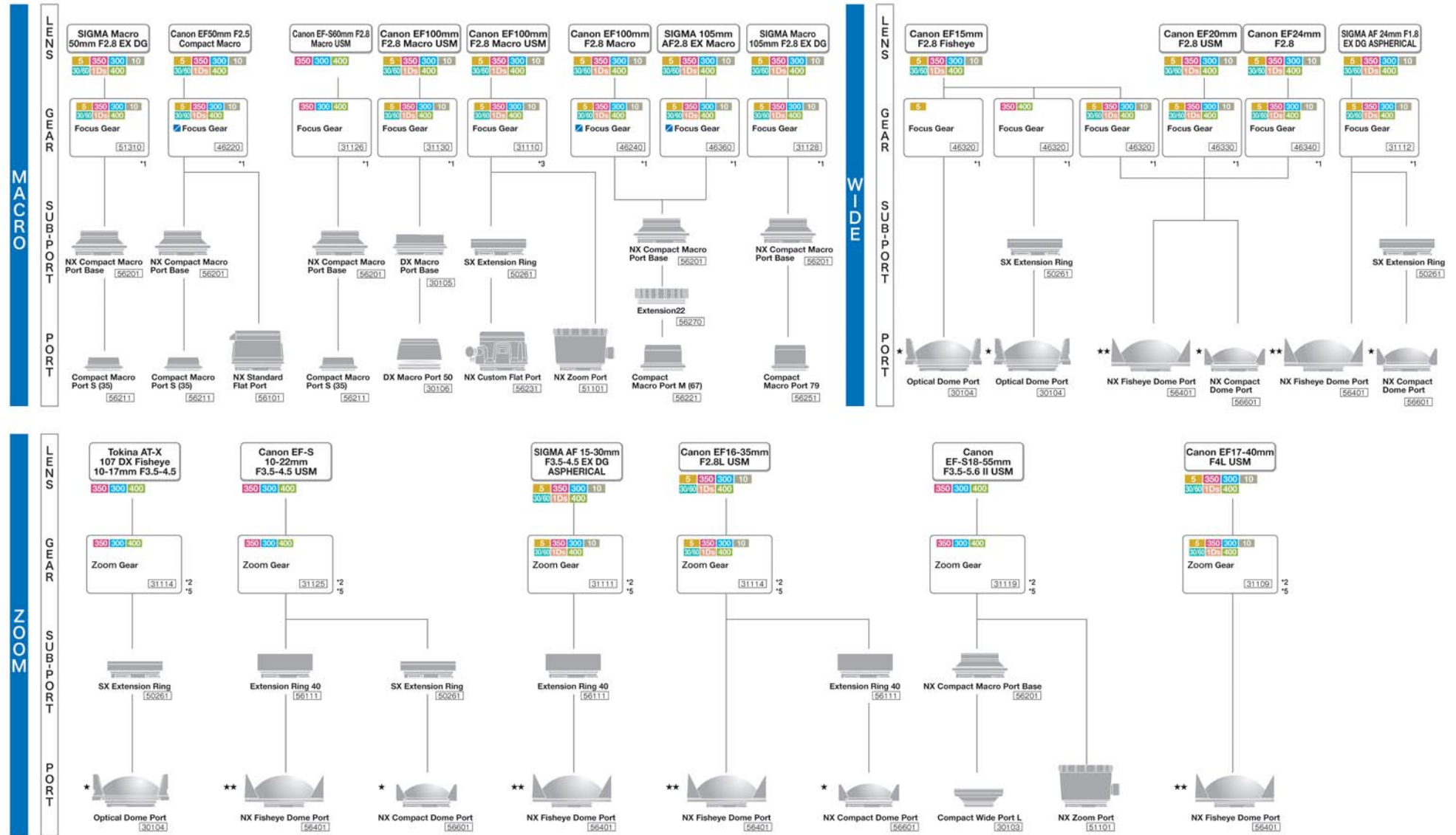
How to use system chart (example)

As an example, selecting ports for the AF-S DX Zoom Nikkor ED 18-55mm F3.5-5.6G 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 Compact Wide Port L and NX Compact Macro Port Base, 2) NX Standard Flat Port or 3) NX Zoom Port. Select one port choice in accordance with your shooting style or other lens combinations.



System Chart for Canon SLR Housings

DX-400D, DX-5D, DX-350D, DX-300D, DX-10D, DX-30/60, DX-1Ds



Lenses with the following marks are compatible

5 DX-5D 350 DX-350D 300 DX-300D 400 DX-400D 10 DX-10D 30/60 DX-30/60 1Ds DX-1Ds

★★ : No apparent image aberration ★ : Image aberration is sometimes apparent

*1:Focus is adjustable with the focus knob on housing.(main-body) *2:Zoom is controllable with the focus knob on the housing.(main-body)

*3:Focus is adjustable with the focus knob on the port. *4:Zoom is adjustable with the zoom knob on the port. *5:Manual focus cannot be used.

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



Strobe/Digital Video Housing/Video Light/
Diving Light/Accessories

U/W Strobe for Digital

YS-27DX

The YS-27DX strobe is a compact and affordable manual strobe for most digital cameras in the market.

YS-27DX (Blue) [03107] [O-ring Set 10580]

[Accessories] Fixing bolt, diffuser *When the YS-27DX strobe is used with a compact digital camera in a housing, use the Fiber-optic cable (see page 9).



The YS-27DX strobe is designed for multipurpose underwater photography. This strobe has beam angle of 105°x 84° and a guide number of up to 20 (ISO 100 / m) / 66 (ISO 100 / feet), providing spread and power for subjects that range from wide-angle macro. The light level control dial of the YS-27DX has nine different light level control, which increments from a minimum power of GN 1.7 to a maximum power of GN 20 (1EV step). The light level control dial makes you take ideal pictures, precisely adjustable to get just the right amount of light for the subject at hand. The YS-27DX offers a pre-flash cancel mode (*1) that ensures the strobe won't fire prematurely when used with digital cameras that emit a small pre-flash burst before the main flash. This strobe is compatible with most digital cameras that have a pre-flash. An optional strobe with your digital camera's built-in flash. The YS-27DX's power source is four AA batteries, which provide strength and endurance for a full day's shooting without changing batteries. The recycle time of YS-27DX with 2700mAh nickel-metal-hydride batteries is only two seconds, providing speedy recovery for a rapid series of images. SEA&SEA adopts the dela-prism, which spread soft and delicate lighting of subjects, for YS-27DX. The YS-27DX is an ideal slave sub-strobe for a digital SLR camera housing. It detects light from the main strobe's flash and immediately fires in synchroize with the main strobe.

*1 Some digital cameras adjust flash levels after a first flash and then capture an image with a second flash. This first flash is called the pre-flash. The strobe's pre-flash cancel function ignores the pre-flash and synchronizes the strobe with the second flash.
*The YS-27DX is not compatible with digital cameras that emit two or more pre-flashes.

Details



+Optional

Diffuser for YS-27DX
(Standard accessory)

[28106]



© Marc Montocchio

A: Alkaline, O: Oxyride, NI-MH: Nickel-Metal-Hydride

Item	Specifications
Guide Number (ISO 100/m)(land)	20
Beam Angle	105°x84°
Batteries	4x AA ■A: 6V ■O: 6V ■NI-MH: 4.8V
Number of Flashes*1	■A: 350 ■O: 420 ■NI-MH: 490
Recycle time (full)*2	■A: 2.5 ■O: 2 ■NI-MH: 2
Color temperature	5500K
Color temperature w/diffuser	5200K
Depth rating	60m / 200ft
Dimensions(WxHxD)	87x122x135mm / 3.4x4.8x5.3inch
Weight	540g / 19oz
Underwater weight	-40g / -1.4oz
Others	<input type="checkbox"/> Exposure control: Light-level control from GN 1.7 to GN 20 (in 9 increments) with a manual controller <input type="checkbox"/> Pre-flash control: Equipped with pre-flash cancel mode (ignores one pre-flash) <input type="checkbox"/> Slave function <input type="checkbox"/> Sync cord: Fiber-optic cable (L-type) for compact digital cameras <input type="checkbox"/> Over-pressure relief valve

*1 Number of flashes and recycle time depend on the battery brand, temperature and frequency of use.

*2 Number of flashes and recycle time of NI-MH batteries were tested by 2700mAh batteries.

U/W Strobe for Digital

YS-110



Built in LED target light



Details

Three xenon tubes and target light on center



DS-TTL / 13-step light level control dial



DS-TTL system

DS-TTL system on YS-110 strobe is SEA&SEA'S unique slave TTL system with flash exposure compensation. This system is activated only when you are using another main TTL flash/strobe such as a built-in TTL flash of a digital camera or another TTL strobe connected to the camera. A DS-TTL strobe adjusts its flash to match the flash output of the camera's built-in TTL flash or an external TTL strobe so that the camera's TTL sensors regulate total flash output. To capture images using DS-TTL with a compact digital camera, set the strobe's mode switch to "TTL", the slave switch to "ON", and the light level control dial to FULL position. When you press the camera's shutter button, the main strobe (camera's built-in flash) begins its flash. The DS-TTL sensor detects the flash and starts the YS-110's flash at the same time. When the digital camera's TTL circuitry detects that the camera has received the proper amount of light, it stops the flash of the main strobe. The DS-TTL sensor detects the end of the main strobe's flash and ends the YS-110's flash at the same time so the total amount of strobe light reaching the camera is exactly the amount that the camera's TTL circuitry determined as correct. In the DS-TTL mode, you can micro-adjust (dimming only) the amount of light output. Adjust the light level control dial to decrease the light amount when you get an overexposed image for macro photography etc.

DS-TTL adds more light with just the right exposure for compact digital cameras underwater.

YS-110 (Orange) [03106] [O-ring Set 10580]

[Accessories] Fixing bolt, diffuser *When the YS-110 strobe is used with a compact digital camera in a housing, use the Fiber-optic cable (see page 9). *When the YS-110 strobe is used with an SLR camera in a housing, use a sync cord (see page 30).



The YS-110 strobe is packed with ground-breaking features designed for the new age of digital photography. When it's connected via a fiber-optic cable to a compact digital camera with TTL metering, the YS-110 strobe offers DS-TTL (Digital Slave Through-The-Lens) light adjustment. DS-TTL follows the camera's TTL-adjusted flash for automatically accurate flash photography. You can use two YS-110 strobes for creative effects with subtle light balance. For example, you can set one strobe to DS-TTL mode and the second strobe to manual mode. The YS-110's mode compensation function provides a light level control dial for just the right balance of light.

The YS-110 also provides full manual control that sets flash intensity that is independent of the camera. The 13-step manual control provides a finely graded variety of light settings up to a powerful maximum setting of guide number 22. Three xenon tubes positioned in the strobe provide a flat balance all the way across a circular beam angle of 105° (with diffuser), with even and consistent light that will satisfy even finicky professionals.

The YS-110 contains a high-luminosity white LED target light located in the center of its front face. The target light turns on with a convenient button press on the strobe's rear panel, and turns off automatically when the YS-110 flashes. You can connect the strobe to digital SLR cameras and film cameras using the same cables that connect conventional YS-series strobes. You can also connect the strobe to compact digital cameras using a fiber-optic cable. The YS-110 is a versatile strobe designed for almost any use.

A: Alkaline, O: Oxyride, Ni-MH: Nickel-Metal-Hydride

Item	Specifications
Guide Number (ISO 100/m)(land)	22
Beam Angle	105°x 105° (with diffuser)
Batteries	4x AA
Number of Flashes*1	■ A: 6V ■ O: 6V ■ Ni-MH: 4.8V
Recycle time (full)*2	■ A: 160 ■ O: 230 ■ Ni-MH: 320
Color temperature	■ A: 6 ■ O: 3 ■ Ni-MH: 3
Color temperature w/diffuser	5400K
Depth rating	5100K
Dimensions(WxHxD)	60m / 200ft
Weight	88x115x150mm / 3.5x4.6x6inch
Underwater weight	700g / 24.5oz
Others	-10g / -0.4oz
	<input type="checkbox"/> Exposure control: DS-TTL, TTL, Light level control dial (GN):2/2.8/3.5/4/5.6/6.7/8/9.5/11/13/16/19/22 (13 steps)
	<input type="checkbox"/> Pre-flash control : Equipped with pre-flash cancel mode (cancels one pre-flash)
	<input type="checkbox"/> Slave function
	<input type="checkbox"/> TTL slave (cordless TTL)
	<input type="checkbox"/> Sync cord: Detachable sync cord for film & digital SLR cameras, Fiber-optic cable (L-type) for compact digital cameras
	<input type="checkbox"/> Over-pressure relief valve
	<input type="checkbox"/> LED target light

*1 Number of flashes and recycle time depend on the battery brand, temperature and frequency of use.

*2 Number of flashes and recycle time of Ni-MH batteries were tested by 2700mAh batteries.

± Optional

Diffuser for YS-110
(Standard accessory)

[28104]



© Marc Moritochio

U/W Strobe for Digital **NEW**

YS-250PRO

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

YS-250PRO (Black) [03526] [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 strobe is used with a compact digital camera in a housing, use the Fiber-optic cable (see page 9).

* When the YS-250PRO strobe is used with an SLR camera in a housing, use a sync cord (see page 30).



Circular arc tube and LED target light located in the center of the strobe



Details



+ Optional

Battery for YS-250PRO
(Standard accessory)

[54102]



Battery Charger for YS-250PRO
(Standard accessory)

[57103]



Diffuser for YS-250PRO
(Standard accessory)

[28105]



The YS-250PRO is designed for demanding professionals, packed with revolutionary new features to meet the challenges of digital photography. A large circular arc tube emits a powerful flash at guide number 32 (its value on land, ISO 100/m) when power is set to FULL. It provides incremental manual flash power adjustment in 12 steps for graduations of light.

The YS-250PRO is lightning fast: it recycles in 1.8 seconds. Its high-capacity Ni-MH battery, designed exclusively for the strobe, stores enough power when fully charged for 200 full flashes. A high-luminosity white LED target light in the center of the strobe shows precisely where the strobe is pointed, and a ready lamp and a TTL confirmation lamp on each side of the strobe indicate when the strobe is charged and when it has been controlled by the camera's TTL. An audible signal sounds when the lamps light so you can concentrate on your subject in the viewfinder.

The YS-250PRO includes other sophisticated features such as three fiber-optic cable sockets (2 of them with slave sensor), pre-flash cancellation that handles up to two pre-flashes from a camera.

The YS-250PRO: at home in the water day or night, satisfying your demands for the best possible images.

A: Alkaline, O: Oxryide, Ni-MH: Nickel-Metal-Hydride

Item	Specifications
Guide Number (land, ISO 100/m)	32
Beam angle	105°x105°(with diffuser)
Battery	Battery for YS-250PRO
Number of flashes	200
Recycle time (full)	1.8
Color temperature	5,600K
Color temperature w/diffuser	5,200K
Depth rating	60m / 200ft
Dimensions (WxHxD)	107x130x223mm / 4.3x5.2x9inch
Weight	1,780g / 62.3oz
Underwater weight	-80g / -2.8oz
Others	<input type="checkbox"/> Exposure control: TTL, Manual(Light-level control) 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 (cancels up to two pre-flashes) <input type="checkbox"/> Slave function <input type="checkbox"/> Sync cord: Detachable sync cord for film & digital SLR cameras, Fiber-optic cable (L-type) for compact digital cameras <input type="checkbox"/> Over-pressure relief valve <input type="checkbox"/> LED target light <input type="checkbox"/> Test flash function <input type="checkbox"/> TTL confirmation lamp <input type="checkbox"/> TTL / READY confirmation audible signal



© Marc Montocchio

U/W Strobe

YS-90TTL Duo

All the features of the YS-60 combined with cordless TTL and a user changeable sync cord make this the perfect primary or secondary strobe for all systems.



YS-90TTL Duo (Black) [16900] [O-ring Set 10580]

[Accessories] Fixing bolt, diffuser

*When the YS-90TTL Duo strobe is used with an Film SLR camera in a housing, use a sync cord (see page 30).



Details

Accessory diffuser



2 step 1-stop adjustment control dial



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

+ Optional

Diffuser for YS-90
(Standard accessory)

[16910]



Battery Cover with Over-pressure relief valve for the YS-90 series strobes (Standard accessory)

[90090]

*Over-pressure relief valve: when gas builds up inside the strobe, the valve automatically releases gas to reduce extra pressure. A conventional battery cover without an over-pressure relief valve can be replaced with a battery cover with an over-pressure relief valve (optional).

The YS-90TTL Duo is a great primary strobe and it's cordless TTL function makes it the perfect secondary strobe. The changeable sync cord allows the YS-90TTL Duo to be used with most underwater photographic systems. Loaded with SEA&SEA's technology and quality the YS-90TTL Duo is one of the most versatile underwater flash units available. The YS-90TTL Duo can be used for all applications including wide-angle and macro photography. It includes the SEA&SEA prismatic diffuser in front of the flash tube to create even higher intensity light in an even oval pattern. The color temperature is close to that of the sun (5,400K) and provides a natural color tone for photography even in dark water. The YS-90TTL Duo's built-in Duo circuit responds to N-type TTL circuit used in SEA&SEA housings. Moreover, its TTL slave function enables cordless dual TTL photography, requiring only the primary strobe to be connected to the camera or housing. The guide number is 22 (land). It has 2-step (1/2 and full) light level control. Use of the accessory diffuser softens the light and helps reduce backscatter. The accessory diffuser reduces the light output by one f-stop, combined with the power control to give 4 steps of control. 2700mAh Ni-MH batteries will provide 420 full flashes over their lives at a recycle time of 3 second. It recycles almost immediately after a TTL flash, so you won't miss the chance to capture that next great image.

A: Alkaline, O: Oxyride, Ni-MH: Nickel-Metal-Hydride

Item	Specifications
Guide Number (ISO 100/m)(land)	22
Beam Angle	105°x95°
Batteries	4× AA
Number of Flashes*1	■A: 6V ■O: Nonusable ■Ni-MH: 4.8V ■A: 200 ■O: Nonusable ■Ni-MH: 420
Recycle time (full)*2	■A: 6.5 ■O: Nonusable ■Ni-MH: 3
Color temperature	5400K
Color temperature w/diffuser	5100K
Depth rating	60m / 200ft
Dimensions(WxHxD)	88x115x160mm / 3.5x4.6x6.4inch
Weight	720g / 25.2oz
Underwater weight	-50g / -1.8oz
Others	<input type="checkbox"/> Exposure control: Light-level control: TTL or FULL, 1/2 (2 steps) <input type="checkbox"/> Slave function <input type="checkbox"/> Duo circuitry equipped <input type="checkbox"/> TTL slave (cordless TTL): with film camera <input type="checkbox"/> Sync cord: Detachable sync cord <input type="checkbox"/> Over-pressure relief valve

*1 Number of flashes and recycle time depend on the battery brand, temperature and frequency of use.

*2 Number of flashes and recycle time of Ni-MH batteries were tested by 2700mAh batteries.



© Marc Montocchio

+ Accessories for YS Series Strobes

5-pin Sync Cord/N
(for Nikonos/Housings/MM III)
17100



6-pin Sync Cord/GN
(for Guide Number Controller)
18530



5-pin Dual Sync Cord/N
(for MM III, Nikonos and housings)
03470



Dual Strobe Adapter N
(for Nikonos)
03420



It corresponds to the 5-pin connectors of the Nikonos type.



By using Dual Sync Cord/N, it is possible to activate two-strobe lighting system.



Uses a fiber optic cable for connection between digital camera and DX strobe.



Functions as a TTL slave strobe without a sync cord.



Effective Cordless TTL (TTL Slave) function with Digital cameras.



Functions as a slave strobe. For manual photography only, TTL automatic control not available.



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.



The strobe emits the correct amount of light when the aperture setting of the strobe matches that of the camera.



Confirming the TTL flash output.



Audible tone indicates flash readiness and TTL confirmation.



Compatible with Oxyride AA battery.



AA Ni-MH batteries can be used.



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.



Use only the type of batteries specified. Use of other type of batteries will cause product malfunction.



Compatible with digital cameras.



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

U/W Housing for Sony HDR-HC7, HDR-SR7/SR8, HDR-UX7/UX5, HDR-HC3, DCR-DVD505, U/W Housing for Sony HDR-UX1, HDR-SR1

VX-S1 VX-S2

Enjoy the world of high-definition and high-tech video with these lightweight and compact video housings.



Details



VX-S1 Housing for Sony HDR-HC7, HDR-SR7/SR8, HDR-UX7/UX5, HDR-HC3, DCR-DVD505

[07117] With monitoring mirror

VX-S2 Housing for Sony HDR-UX1, HDR-SR1

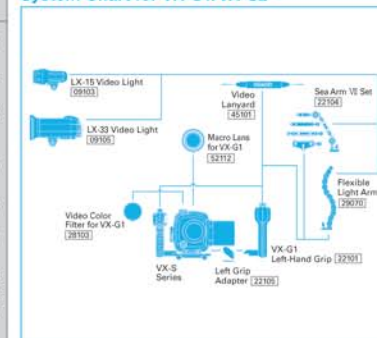
[07118] With monitoring mirror

[Accessories] 0.6x Wide-angle conversion lens, lens hood, step-up ring, ballast weight, clincher, lithium batteries CR-2 and CR-2032 [O-ring Set [62131]]

- The infrared control grip switches easily between video and still-picture capture.
- A large folding mirror reflects the camcorder's side LCD screen back to the user for easy subject framing without using a dedicated external monitor.
- The housings are designed for multiple camcorder models, with an interchangeable camera base for each model, so a single housing may be used for several different camcorder models.
- A leak sensor alerts you immediately to any accidental moisture in the housing.
- A high performance underwater microphone captures underwater sounds to accompany your video.
- An over-pressure relief valve ensures that any excess air pressure in the housing releases safely.
- Lock knob makes opening and closing the housing easy and comfortable.
- Reliable 60m / 200ft depth rating pressure-proof design.

Item	Specifications
Construction	Front/Rear case, Mirror cover, Mirror base: polycarbonate Mirror: acrylic mirror (aluminum evaporation) Grip: corrosion-resistant die-cast aluminum alloy
Depth rating	60m / 200ft
Dimensions (WxHxD)	320x187x225mm / 12.6x7.4x8.9inch (VX-S1 with the mirror open) 320x187x235mm / 12.6x7.4x9.4inch (VX-S2 with the mirror open)
Weight	Approx. 3,300g / 116oz (VX-S1); Approx. 3,380g / 118oz (VX-S2)
Controls	Power on / off with mode dial; mode switching; Remote operation using remote control grip (REC, ZOOM, PHOTO)

System Chart for VX-S1/VX-S2



Wide-Angle Conversion Lens (Standard accessory)

0.6x wide-angle conversion lens for capturing dynamic wide angle images (can be used on land).



*The lens works with the accessory step-up ring.

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

Adopts the Infrared Remote Control Grip

The remote control grip communicates with the camcorder via infrared. It offers REC, PHOTO, and ZOOM controls all placed conveniently under the thumb so you can use them while holding the grip and concentrating on a subject.



Activates the camcorder's mirror-flipping function

The large folding external mirror shows you the camcorder's side LCD while taping to give you a clear view of your subject and the camcorder's data display. The camcorder offers an image flipping function that flips the LCD image horizontally so the image you view in the mirror appears in the correct left-to-right orientation. The mirror's large hood is rigid to protect it from external shock.



± Optional

Camera Base for HDR-HC7 (for VX-S1)

[45106]



*Camera bases for the Sony Handycams. Select the base that is compatible with your camera.

Camera Base for HDR-SR7/SR8 (for VX-S1)

[45107]

Camera Base for DCR-DVD505 (for VX-S1) [45103]

Camera Base for HDR-HC3 (for VX-S1) [45102]

Camera Base for HDR-UX7/HDR-UX5 (for VX-S1)

[45105]

Camera Base for HDR-UX1/SR1 (for VX-S2) [45104]

VX-G1 Left-Hand Grip

[22101]

The left hand grip for the VX-G1 balances right and left grips to provide easier and more natural control of the housing.



Left Grip Adapter

[22105]

An adapter required to attach the left hand grip for VX-G1 to the VX-S1 / VX-S2 housings.



Video Color Filter for VX-G1

[28103] changeable?underwater

Filters out blue light, helps balance colors underwater to capture true-color images. This video color filter for VX-G1 works as well with the VX-S1 / VX-S2 housings.



Macro Lens for VX-G1

[52112] changeable?underwater

Mounts onto the front glass with protector of the housing. Converts camcorder lens into a super macro lens for enhanced subject magnification. This Macro lens for VX-G1 works as well with the VX-S1 / VX-S2 housings.



*Vignetting may appear in the four corners of the image. Slightly zoom in to telephoto to eliminate vignetting.

Video Lanyard

[45101]

The lanyard is used to conveniently carry the housing on land or during entry into water. This lanyard uses no metal material for noise reduction.



System Example



- VX-S1 Housing
- LX-33
- Sea Arm VII

U/W Video Light

LX-33

Use this compact high-performance video light anywhere you need a bright, steady light: with video cameras, digital cameras, or as a personal dive light.

LX-33 (Blue) [09105]

[Accessories] Color temperature enhancer for LX-33, charger for LX-33, fixing bolt [O-ring Set [62130]] **D**



Details



The LX-33 is designed exclusively for underwater use. The light comes with a bright 33-watt bulb and a light-intensity controller for continuous adjustment from full brightness to a low glow. Its delicate lighting adjustment matches subjects both far and near.

A set of fully charged batteries in the light provides up to 100 minutes of continuous lighting. An LED lamp in the light flashes red when the battery is low and needs recharging. The LED lamp also displays battery charging process in two steps. Because the light uses lithium-ion batteries, you don't need to fully discharge the batteries because they're not susceptible to the memory effect.

- A lightweight and compact 33W underwater light; excellent for underwater video lighting, as a modeling light for still photography, or as a personal dive light.
- A light-control dial adjusts light intensity to suit the subject at hand.
- Provides up to 100 minutes of continuous lighting when fully charged.
- Attaches to a housing using an optional Sea Arm and Flexible Light Arm.

Item	Specifications
Bulb	33W Halogen bulb
Burn time	Approx. 60 to 100 minutes of continuous lighting depending on light intensity setting
Power source	Exclusive lithium-ion battery (7.4V5000mAh)
Color temperature	3,200K (at max. light intensity), 4,000K (with color temperature enhancer)
Charging time	Approx. 3~4 hours using the exclusive charger
Depth rating	60m / 200ft
Dimensions (DIAxD)	96x190mm / 3.8x7.6 (not including projections)
Weight	Approx. 900g / 31.5oz (underwater: Approx. 35g / 1.2oz)
Construction	Front: Corrosion-resistant aluminum alloy Rear: ABS resin
Beam angle	80°
Safety	Equipped with an over-pressure relief valve. When gas builds up inside the battery chamber, the valve automatically vents the gas to reduce excess pressure.

+ Optional

LX Grip

[30500]



Spare Bulb (33W) for LX-33

[48104]



Battery Charger for LX-33

(Standard accessory)

[57104]



Color Temperature Enhancer for LX-33

(Standard accessory)

[48105]



U/W Video Light

LX-15

Optimum light distribution characteristics in addition to the pre-dominant cost performance. The new video light is compact and light in weight and is made of synthetic resin body.

LX-15 (Yellow) [09103]

[Accessories] Detachable grip/arm adapter, LX grip, fixing bolt [O-ring Set [62115]] **D**



Details



The LX-15, installed with a 15W 4.8V halogen lamp is compact and light, and easy-to-use. The light is very compact and mobile, and is the best entry model for an underwater video lighting that will bring out the bright colors of the subject. The LX-15 has a burn time of 55 minutes (when using Ni-MH 2700mAh battery), Ni-MH batteries sold on the market can be used, and the usage is very simple. In addition, there is no need to carry around exclusively-designed battery or battery charger. Furthermore, with the newly-designed reflector, even light from the center to the edges can be maintained, very suitable as a video light. Though electricity consumption is minimal, the LX-15 emits bright light.

- A 15-watt light-weight and compact underwater light. Best used as a video light.
- With the exclusively-designed bulb, there is no spot lighting that usually occurs, and realizes flood light characteristics most suitable for underwater photography and videography.
- The Sea Arm, Flexible Light Arm, or LX grip can be attached.
- With the detachable grip/arm adapter, the body of the light can be directly held, and be used as a dive light.

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

Item	Specifications
Bulb (exclusively-designed)	15W Halogen bulb
Burn time	Approx. 55 minutes* When using NI-MH 2700mAh batteries
Power source	AA Ni-MH battery x 4
Color temperature	3,100K (at full power)
Depth rating	60m / 200ft
Dimensions (DIAxD)	73x156mm / 2.9x6.2inch
Weight	Approx. 400g / 14oz (+30g / 1.1oz underwater)
Beam angle	70°
Safety	Equipped with an over-pressure relief valve which will equalize pressure build-up within the light Equipped with circuitry to cut off power in order to prolong battery life and to prevent batteries from emitting gas (When fully charged, the light automatically cut power off in 50 minutes)

+ Optional

Spare Bulb (15W) for LX-15

[48101]

Accessories for Motor Marine III

Fish-Eye Conversion Lens for MM III

52108 ⇄ changeable underwater

- Exclusively for underwater use with MM III.
- Focal distance: 12.5mm, focal distance magnification: 0.6x.
- Simple bayonet mounting, changeable underwater.
- Minimum focusing distance: 15cm / 6inch (at aperture F22).
- Underwater coverage angle: 150° with peripheral distortion correction.



15mm Wide Conversion Lens for MM III

52101 ⇄ changeable underwater

- A 15mm super wide conversion lens for exclusive use with MM III.
- Simple bayonet mounting, changeable underwater.
- Minimum focusing distance: 22cm / 8.7inch (at aperture F22).
- Underwater coverage angle: 101° with peripheral distortion correction.



Macro Lens 2T for MM III

52103 ⇄ changeable underwater

- An underwater macro lens for exclusive use with MM III with a picture area of 74x50mm.
- Simple bayonet mounting, changeable underwater.
- Framer bars are detachable for convenience of transportation.



Macro Lens 3.5T for MM III

52102 ⇄ changeable underwater

- An underwater macro lens for exclusive use with MM III, with picture area of 130x88mm.
- Simple bayonet mounting, changeable underwater.
- Framer bars are detachable for convenience of transportation.



Fish-Eye Viewfinder for MM III

52109

[Coverage ratio] 85%
 [Lens construction] 4 elements in 4 groups
 [Construction] Corrosion-resistant aluminum
 [Depth rating] 60m / 200ft
 [Dimensions (WxHxD)] 80x88x66mm / 3.1x3.5x2.7inch
 [Weight] Approx. 420g / 14.8oz (+225g / 7.9oz underwater)



Multi Viewfinder for MM III

52104

Underwater viewfinder exclusively designed for MM III. You will need this item when you use a wide conversion lens, 15mm / 20mm scale and center position are clearly visible through a diving mask.
 [Coverage ratio] 85%
 [Lens construction] 3 elements in 3 groups (2 x aspheric plastic lenses and 1 x glass lens)
 [Construction] Polycarbonate resin
 [Dimensions (WxHxD)] 64x57.5x61mm / 2.5x2.3x2.4inch
 [Weight] Approx. 125g / 4.4oz



Lens Caddy for MM III

60101

Attaches to Sea Arm VII to carry one (1) conversion lens for MM III.



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No walls in the sea

Without being caught up in a traditional sense of value, doubt such value

As there are no walls in the sea, there are no walls which prevent evolution from occurring

We know that only a challenging spirit can create new values

Listening to photographers worldwide, we at SEA&SEA, will develop and produce equipment
which is easy to use, safe in use, and which will arouse photographer's creative minds





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