

DC2000 Specifications

Image Sensor	SONY® 1" type CMOS sensor
Image Resolution	20M (5472x3648) 3:2 format, 10M (3888x2592) 3:2 format, 5M (2736x1824) 3:2 format, 18M (4864x3678) 4:3 format, 10M (3648x2746) 4:3 format, 5M (2592x1944) 4:3 format, VGA (640x480) 4:3 format, 17M (5472x3080) 16:9 format, 7.5M (3648x2056) 16:9 format, 4.2M (2720x1528) 16:9 format, 13M (3648x3648) 1:1 format. 6.5M (2544x2544)1:1 format. 3.7M (1920x1920)1:1 format
Picture File Format	JPEG or RAW (.DNG)
Movie Resolution	Full 1080p HD at 60fps, 1080p at 30fps, 1080p at 15fps, HD 720p @ 60 frames per second, HD 720p @ 30 frames per second, VGA @ 120 frames per second
Video File Format	MOV (H.264)
Lens Aperture	F1.8 to F11 (in 1/3 stop increments): F1.8, F2.0, F2.2, F2.5, F2.8, F3.2, F3.5, F4.0, F4.5, F5.0, F5.6, F6.3, F7.1, F8.0, F9.0, F10 and F11
Lens	Zoom: 1X optical and 3X digital ; Focal Length:11.6mm (31mm Film equivalent and 19mm with SL975 Fisheye lens accessory) ; 7 leaf iris
Focus Type	Auto Focus from 4" (10cm) to infinity
Focus Modes	Auto (6"/15cm to infinity), Macro (3.5"/9cm to 20"/50cm), Super Macro (3.5"/9cm to 20"/50cm), Infinity (24"/60 cm to infinity)
Shooting Angle	3:2 aspect ratio: land 66° diagonal/57° horizontal and underwater 50° diagonal/43° horizontal) 4:3 aspect ratio: land 61° diagonal/51° horizontal and underwater 46° diagonal/38° horizontal) 16:9 aspect ratio: land 64° diagonal/57° horizontal and underwater 48° diagonal/43° horizontal)
Shutter Speed	Mechanical shutter 15 sec. to 1/2000 sec Auto: 1 sec to 1/2000 sec Manual: 15 sec to 1/2000 sec Setting options: 15", 13", 10", 8", 6", 5", 4", 3.2", 2.5", 2", 1.6", 1.3", 1", 0.8", 0.6", 0.5", 0.4", 0.3", 1/4, 1/5, 1/6, 1/8, 1/10, 1/13, 1/15, 1/20, 1/25, 1/30, 1/40, 1/50, 1/60, 1/80, 1/100, 1/125, 1/160, 1/200, 1/250, 1/320, 1/400, 1/500, 1/640, 1/800, 1/1000, 1/1250, 1/1600, and 1/2000
ISO	Auto or manual (125, 200, 400, 800, 1600, 3200, 6400 12800 and 25600)
Flash	Auto, force on, force off, red-eye reduction, slow sync
Land Scene Modes	Portrait, Landscape, Sunset, Dawn, Backlight, Kids, Night Scene, Fireworks, Beach, Snow, Sports, Party, Candlelight, Night Portrait, Soft Skin, Food, Background Defocus, Love Portrait, Self Portrait, Smile Shutter, HDR, Time Lapse, GIF Capture, Art Effect and Continuous Shooting
Underwater Scene Modes	Dive, Snorkel, External Flash, and External Light
Exposure Adjust	Auto exposure, shutter priority, aperture priority, full manual, exposure value
Land White Balance	Land: Auto, Manual, Daylight, Cloudy, Tungsten, Fluorescent 1, Fluorescent 2 Underwater: Blue Water Deep, Blue Water Shallow, Green water, Manual
Self Timer	Self Portrait, 2 second, 10 second delay, and 10+2 second (2 pictures)
Continuous Shooting	6 Continuous Shooting modes: Endless Burst High, Endless Burst Standard, Pre-shooting, Sporty Burst 60, Sporty Burst 120 and Smart Select

Time Lapse	Captures 16:9 2MP images in 5 sec, 10 sec, 30 sec, 1 min, 5 min, 10min, and 30 min time intervals and combines into MPEG-4 video clip with 10fps playback
GIF Capture	Captures 5 or 10 images in 1 sec, 2 sec. or 3 sec time intervals and saves as .gif file
Display	3.0" 920k high resolution color TFT LCD
Memory	Internal: 80MB External: micro-SD/ micro-SDHC/ micro-SDXC ; UHS -1 up to 64 GB* <i>*Using 128GB size memory cards may result in a read/write error or other compatibility issues.</i>
Battery	Lithium rechargeable battery (3.7v, 1130 mAh, 4.2Wh), weight 23g Battery life: 200+ pictures, 2+ hours
Audio	Microphone: Stereo Speaker: Mono
Wireless Frequency	Wi-Fi 802.11 b/g/n Bluetooth 4.1
OS compatibility:	PC: Windows XP / Vista / 7 / 8 / 10 or later MAC: OS 10.4 and up
Menu Languages	English / French / Spanish / German / Italian / Russian / Portuguese / Brazil Portuguese / Dutch / Turkish / Polish / Hungarian / Romanian / Czech / Bulgarian / Croatian / Slovak / Slovenian / Greek / Swedish / Norwegian / Finnish / Danish / Arabic / Indonesia / Malay / Thai / Japanese / Korean / S. Chinese / T. Chinese
USB	Version 2.0 with Standard Micro-B USB
Certification	CE, ROHS, FCC, WEEE
Depth Rated	Inner camera with underwater housing: 200ft/60m Inner camera without housing: 60ft/18m
Weight	8.3 ounces (234 grams) Inner camera with battery and memory card 24.4 oz. (691g) UW housing and inner camera 16.1 oz. (457g) UW housing only
Dimensions	Inner camera: 2.6"H x 4.6"W x 1.4"D (67 x 116 x 36 mm) Inner camera with housing: 4.0"H x 5.9"W x 3.0"D (102mm x 149mm x 81mm)

Environmental Specifications

Depth	Inner camera with housing: 200ft (60m) Inner camera without housing: 60ft (18m)
Buoyancy	Positive (10g) Camera inside housing
Operating Temp.	Underwater: 33 degrees F to 110 degrees F (5 degrees C to 44 degrees C) Land: 0 degrees F to 120 degrees F (-18 degrees C to 50 degrees C)
Storage Temp.	-20 degrees F to 140 degrees F (-29 degrees C to 60 degrees C)
Tripod Mount	Standard 1/4-20 tripod threads
Shockproof	5ft / 1.5m
Warranty	1 year limited warranty

Sea Dragon Flash Specifications

Guide Number	20m full power/1.5m low power
Power Adjustment Range	8% to 100% (In Auto or Manual Modes)

Controls	Power (On/Off), Test (Program), Brightness (Manual/Auto)
Coverage Angle	80° horizontal x 60° vertical (100° with included diffuser)
Color Temperature	5700 degrees Kelvin
Power Source	4 AA batteries (NiMH recommended)
Battery Life	150 flashes
Recycle Time	1 second at < 1/2 power / 5 seconds at full power
Buoyancy	Negative
Housing Material	Fiber-reinforced polycarbonate
Hardware	Marine grade stainless steel
O-ring Material	Dual NBR o-rings (lube included)
Weight	18 ounces (509 grams), head with batteries
Dimensions	Head: 5"(12.7cm) x 4.5" (11.4cm) x 2.5" (6.4cm)

Sea Dragon 2300 Auto Photo/Video/Dive Light Specifications

Body Material	Anodized aluminum light head with fiber-reinforced polycarbonate body
Light Source/Bulb Type	6 x 3W LED Light (CREE XP-L LEDs)
Brightness	2300 lumens (maintains 2300 lumens throughout burn time at full power)
Effective Range	4 ft/1.2 m (depends on camera model and visibility)
Brightness Control	100%, 50%, 25%, and Auto (adjusts from 10% to 100%)
Color Temperature	5000 ~ 6000K
Color Rendering Index	70
Beam Angle	100 degree (75 degree underwater)
Battery	Lithium Ion 7.4V, 3400 mAh, 25Wh (included)
Battery Charge Time	170 minutes
Run Time	60 minutes at full power/120 minutes at half power/240 minutes at quarter power
Depth	Tested to 330 feet/100 meters
Light Modes	Full power (100%), half power (50%), quarter power (25%), and Auto (adjusts from 10% to 100%)
Dimensions	8.5" x 9.5" x 2.3" (22cm x 24cm x 6cm), fully assembled with light head, battery, grip and tray 4.8" x 2.2" x 3.8" (12.2cm x 5.6cm x 9.7cm), head only
Weight	23 ounces (652 grams), light head, battery, grip and tray

Bulb Life	35,000 hours
O-ring	Dual NBR o-rings (lube included)
Buoyancy	Negative

*CRI is a measure of a light source's ability to show object colors "realistically" or "naturally" compared to daylight, which has a CRI of 100 and represents the maximum value. The beam angles for the Sea Dragon lights are shown as the true, tested "in-air" (above water) beam angle. Underwater, due to light refraction, the angle tightens to approximately 33% less.

Avoid using this Sea Dragon light above water for prolonged periods of time

The light is designed for underwater use and water is needed to displace heat. The metal light head at full power will reach temperature of about 140F (60C) degrees within a few minutes, which may cause burning if touched. A thermal sensor will automatically dim the light if internal temperatures reaches 150F (65C) degrees. Immediately turn off light if any parts of the light become hot to the touch.