

GoPro® Attachment Lens



Get Wider, Get Closer Even Underwater



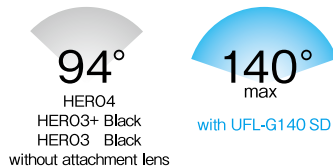
The UFL-G140 SD provides wild wide underwater footage nearly same view angle as on land.



UFL-G140 SD
Underwater Semi-fisheye Conversion Lens

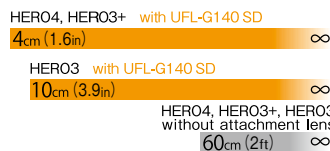
Ultra Wide Even Underwater

HERO4/ HERO3+ Black /HERO3 Black provides approx. 151° on land but gets narrow down to approx. 94° underwater due to different refraction index. The UFL-G140 SD provides ultra wide 140° semi-fisheye imaging underwater enabling wild underwater video work only with GoPro® cameras*2*3.



Dynamic CFWA Imaging

The depth of field (DoF) of the HERO4, HERO3+ and HERO3 Black Edition on land is approx. 60cm/2ft to ∞. With the UFL-G140 SD, DoF underwater will be extended to 4cm/1.6in to ∞ for HERO4/HERO3+ or 10cm/3.9in to ∞ for HERO3 supporting dynamic CFWA imaging*4.



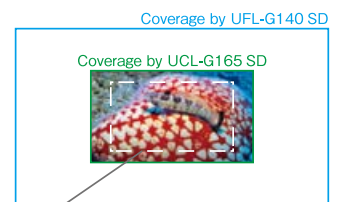
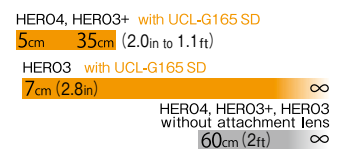
The UCL-G165 SD enables you to shoot a subject from close range of the lens.



UCL-G165 SD
Underwater Wide Close-up Lens

Get Closer Minimum Focus Distance

A GoPro® camera is a deep focus camera but subject won't in focus within 60cm/2ft (air) in theory. Using standard macro lens would create vignetting and very shallow depth of field. The UCL-G165 SD lens is so-called "wide close-up lens" specifically designed for GoPro® cameras' master lens supporting high magnification/close-up imaging with DoF underwater 5cm/2.0in to 35cm/1.1ft [HERO4/3+] or 7cm/2.8in to ∞ [HERO3]*4.



Coverage by HERO4, HERO3+ Black, HERO3 Black without attachment lens

Ideal Coverage for Macro

The INON UCL-G165 SD slightly increases angle of view underwater to 110° to capture dynamic scene played by a subject as the lens frames subject larger than UFL-G140 SD which delivers ultra wide 140°.



Protects GoPro® genuine dive housing and firmly holds attachment lens, arm, and flashlight.

SD Mount Cage for HERO3/3+/4

SD Mount Supports Speedy Lens Exchange

Equipped with INON SD Mount bayonet system. With SD Mount, "UFL-G140 SD" or "UCL-G165 SD" can be easily and securely mounted/detached underwater. Off course you can use the SD Mount Cage without any attachment lens*6.

Durable Aluminum Protector

Durable construction machined from an aluminum block protects a housing even in rough condition*7.

Versatility

The SD Mount Cage can hold INON "Direct Base III",

"Z Joint" or "Z Adapter MV" at its top/bottom surface to install GoPro® camera on various systems for broad application. Packaged "Male Adapter (GoPro®)" can be attached on top/bottom of the cage to use GoPro® compatible accessories. The tripod screw hole (1/4 inch) on the bottom enables to use tripod/monopod*8.



Stability

Besides "Grip Base D4", "D Holder" is directly attached on the bottom. Two "D Holder" installed on both sides at two different angles supports comfortable underwater imaging.



LCD/Battery BacPac™ Compatibility

The SD Mount Cage can accommodate with LCD Touch BackPac™, Battery BackPac™.

*1. Measured angle of view by INON or calculated angle of view underwater based on the measured angle of view. Not confirmed by camera manufacture. The measured angle of view of "HERO3+ Silver Edition" is approx. 142° (air) which is less wide than the "Black Edition". So angle of view underwater with this lens is less than 140°. The "HERO3+ White Edition" has not been tested. *2. UFL-G140 SD is designed only for underwater use. When using on land, distant subject is not in focus and angle of view is not as wide as rated. *3. Not usable for [SuperView™] supported by GoPro® HERO4 and HERO3+ Black Edition as this mode adds software-based deformation effect (changing aspect ratio from original 4:3 to 16:9) enhancing more aberrations when using an attachment lens. *4. DoF on land is based on focal length/aperture of camera lens and pixel pitch of the image sensor. DoF underwater is measured from "the forefront of the lens". Other Edition has not been tested. *5. Designed only for underwater use. When using on land with FOV setting [WIDE], vignetting will be observed. *6. When using on land, set FOV mode other than [Wide] or use without the SD Mount Cage to prevent vignetting observed mainly in Ultra Wide mode even without an attachment lens. No vignetting underwater. *7. Compatible housing is GoPro® "Dive Housing (60m/197ft)", The GoPro® "Standard Housing (40m/131ft)" packaged with "GoPro® HERO4/HERO3+" is not compatible. The "GoPro® HERO3" is packaged with the "Dive Housing". *8. Depending on tripod head design, some tripod/monopod may not fit to this product. Check if your tripod head can hold this product before actual use.

Compatible Options ▶

D Holder

Maximum two D Holders can be attached on the bottom of the cage at two different angles.



Direct Base III

A ball-joint adapter attachable on the top/bottom of the cage. Metal ball-joint provides secure strobe positioning only by lightly fasten a clamp.



Z Adapter MV

A ball-joint adapter attachable on the top/bottom of the cage. Plastic ball-joint provides flexible positioning without loosening a clamp.



Z Joint

A joint adapter to connect YS type arm or base on the top/bottom of the cage.



LF series LED flashlight

Light quality oriented LED light for photography/videography with wide range of optional accessories.



AD Lens Holder for Float Arm

A lens holder for a Float Arm or "M5 Joint" installed on Stick Arm to carry compatible attachment lens.



UWL-100 Neoprene Carry Pouch

Carry pouch usable for "UFL-G140 SD" underwater semi-fisheye conversion lens as well as it is made of neoprene as same as a wetsuit.



UCL-330 Neoprene Carry Pouch

Carry pouch usable for "UCL-G165 SD" underwater wide close-up lens as well as it is made of neoprene to protect lens surface when carrying the lens.



SETUP EXAMPLE ▶

Callout 1 (Left):
 SD Mount Cage for HERO3/3+/4
 UCL-G165 SD
 Direct Arm YS-MV Set
 Single Light Holder LF
 LF series LED flashlight

Callout 2 (Middle-Left):
 Olympus
 PT-EP11 + PAD-EP08 + PER-E01
 MRS Olympus50 Port
 Port Arm for MRS
 SD Mount Cage for HERO3/3+/4
 UFL-G140 SD
 Z Joint

Callout 3 (Middle-Right):
 SD Mount Cage for HERO3/3+/4
 UCL-G165 SD
 D Holder
 Stick Arm SS Set YS-MV
 M5 Joint
 AD Lens Holder for Float Arm
 UFL-G140 SD
 Single Light Holder LF
 LF series LED flashlight

Callout 4 (Bottom-Left):
 SD Mount Cage for HERO3/3+/4
 UFL-G140 SD
 Male Adapter (packaged accessory)
 GoPro® 3-Way

Callout 5 (Bottom-Middle):
 SD Mount Cage for HERO3/3+/4
 UFL-G140 SD
 D Holder x2
 Stick Arm SS Set YS-MV x2
 M5 Joint
 AD Lens Holder for Float Arm
 UCL-G165 SD
 Single Light Holder LF x2
 LF series LED flashlight x2

SPECIFICATIONS ▶

Model	UFL-G140 SD Underwater Semi-fisheye Conversion Lens	UCL-G165 SD Underwater Wide Close-up Lens	SD Mount Cage for HERO3/3+/4
Size	93.4mm / 3.7in (Diameter), 41.8mm / 1.6in (Length)	77mm / 3.0in (Diameter), 25.2mm / 1.0in (Length)	88.5mm / 3.5in (W)×79.9mm / 3.1in (H)×51.3mm / 2.0in (D) (excluding protruded parts)
Weight	[air] 300g / 10.6oz, [underwater] approx. 153g / 5.4oz	[air] 200g / 7.1oz, [underwater] approx. 121g / 4.3oz	[air] 183g / 6.5oz, [underwater] approx. 114g / 4.0oz
Body material/finishing	Corrosion resistant aluminum alloy / rigid black alumite, PC etc.	Corrosion-resistant aluminum alloy / rigid black alumite, PC etc.	Corrosion resistant aluminum alloy / rigid black alumite, POM etc.
Mount system	INON SD Mount	INON SD Mount	
Depth rating	60m / 196.9ft	60m / 196.9ft	
Lens material/coating	Optical glass/both side coating, Optical plastic/both side hard coating, inner multi-coating	Optical glass / both side coating	
Depth of field *1	4cm / 1.6in to ∞ (HERO4, HERO3+ Black) 10cm / 3.9in to ∞ (HERO3 Black)	5cm / 2.0in to 35cm / 1.1ft (HERO4, HERO3+ Black) 7cm / 2.8in to ∞ (HERO3 Black)	
Lens construction	4 groups 4 elements	2 groups 2 elements	
Max. view angle/ Focal length	Max. view angle 140.0°(underwater) *2	Focal length 165mm (underwater) *3	

*1.Measured distance underwater for GoPro® HERO4/HERO3+ Black/HERO3 Black. Divide by 1.33 for visual distance underwater. Other Edition has not been tested. *2.Actual shooting angle of view (actual field of view) varies among different shooting modes. *3.Standalone focal length of UCL-G165 SD and not combined focal length with camera's master lens.

*GOPRO, HERO, the GOPRO logo, and the GoPro Be a Hero logo are trademarks or registered trademarks of GoPro, Inc.