



QUICK GUIDE

CUSTOM GOPRO

WITH GLASS LENS AND FILTER MOUNT



1) PREPARING YOUR CAMERA

The Hero 1 camera has a gold colored lens barrel that can cause unwanted reflections inside the glass housing lens. Carefully use a black permanent marker to darken the front edge of the gold lens barrel to prevent reflections. The new Hero2 camera has a black lens barrel and does not require this preparation.

2) INSPECT AND CLEAN HOUSING SEAL

Most floods can be easily prevented with a good visual inspection. Inspect the housing seal for hair, debris, or damage in a well lit environment. If you normally use corrective eye glasses, be sure to use them. Use a headlamp if you find yourself in a dark environment.



3) PREVENT FOGGING

Avoid sealing the housing in humid conditions. In extreme cases dry the interior with a hair dryer, use GoPro Anti-Fog Inserts, and wipe down the inside of the glass lens with an anti-fog cloth as used with ski goggles or glasses.



4) UNDERWATER TEST WITHOUT CAMERA

All Backscatter housings are pressure tested to 180 ft. (55m). If you are new to sealing underwater housings, we recommend you perform your first dive without the camera installed.

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QUICK GUIDE: USING FILTERS

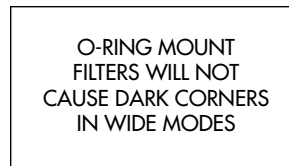


5) USING THE 55MM THREADED FILTER MOUNT

Use your thumb to flip up the filter o-ring and lock into position. To minimize vignetting in wide modes, we recommend use of special "low profile" filter types of 3mm thick or less.

6) USING THE O-RING FILTER MOUNT

The o-ring mount offers the most filter flexibility and minimizes potential of vignetting in wide modes. Place an unmounted filter directly on the housing lens and use your thumb to flip down the filter retaining o-ring.



7) TESTING FILTERS FOR LAND AND UNDERWATER USE

Use of filters thicker than 3mm may cause vignetting (shadowed corners) in wide camera settings. For best results, we recommend you test your filters prior to important use. Perform a test shot in a well lit land scene. To test underwater results, fill up a bathtub in a brightly light room. Download your footage and inspect the corners for shadows (vignetting). The angle of coverage will be less underwater, thus a filter that vignettes on land may perform perfectly underwater.

QUICK GUIDE: RECOMMEND CAMERA SETTINGS

HERO CAMERA

VIDEO

r1 (WVGA, 16:9)
r2 (720, 30p, 16:9) *
r3 (720, 60p, 16:9) *
r4 (960, 30p, 4:3) **
r5 (1080, 30p, 16:9)

PHOTO

All photo modes**

HERO2 CAMERA

VIDEO

WVGA/720/1080 **W** (170 degrees) *
WVGA/720/1080 **M** (127 degrees)
WVGA/720/1080 **N** (90 degrees)
960 **

PHOTO

11MP **W** **
8MP **M**
5MP **W** **

UNDERWATER MODES: Blue text above represents our favorite shooting modes for underwater wide angle video.

* No vignetting underwater, but manufacturing variance in your GoPro Hero housing / camera / filter might cause shadowed corners when used on land. Hero camera is more forgiving than Hero 2 camera. Remove 55mm filter element from threaded ring and use o-ring mount if your filter ring is too thick and causes shadowed corners. Test your configuration before critical use.

** Final image must be cropped to 16:9 format to avoid shadowed corners (vignetting).

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