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MACROMATE **MINI +15**

ULTIMATE MACRO LENS FOR GOPRO HERO4, HERO3+, AND HERO3

*FOR USE WITH **FLIP4** FILTER SYSTEMS*



TOP FLIP

USE A MACRO LENS AND
COLOR FILTER ON THE SAME
DIVE WITH A TOP FLIP

55MM THREAD

THE MACROMATE MINI
REQUIRES A 55MM THREAD
ADAPTER TO MOUNT TO
YOUR FLIP FILTER SYSTEM

TOP FLIP OR SIDE FLIP POSITION?

WIDE AND MACRO DIVE FILTER TOP MACROMATE MINI SIDE

Choose this combination if you're shooting wide angle and macro on the same dive. Flip down the DIVE filter for excellent color on bluewater panoramas. Flip down the Macromate Mini for ultimate tight shots with video lights.



MEDIUM AND MACRO +10 CLOSE-UP TOP MACROMATE MINI SIDE

Choose this combination if you keep your head buried in the reef. Flip down the +10 close-up lens for turtles and basketball sized subjects. Swap to the Macromate Mini lens for nudibranchs and smaller critters. Use video lights for best results.



INSTALLING MACROMATE MINI

STEP 1 INSTALL 55MM FLIP ADAPTER

(Sold Separately) The 55mm adapter can be used in top or side positions on the FLIP3.1 and top only position on the FLIP3. Use hex key provided with your FLIP for installation.

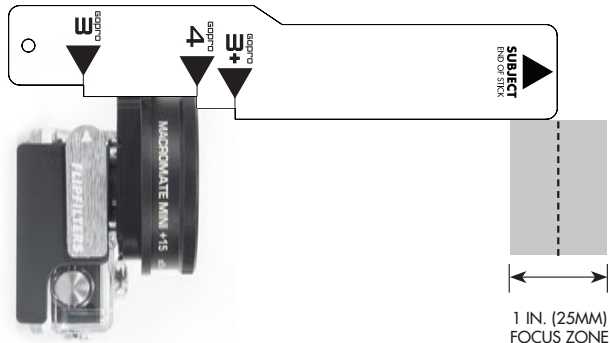


STEP 2 THREAD ON MACROMATE MINI

Gently tighten the Macromate Mini on the 55mm adapter.



PRACTICE: USE THE FOCUS TRAINING STICK



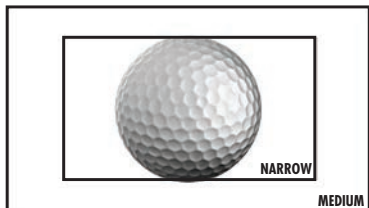
STEP 1
SELECT 3, 3+ OR 4.
Select GoPro 3, GoPro 3+, or GoPro4 marker on focus stick to match your camera model.

STEP 2
ALIGN NOTCH
Align the notch in the stick to the front of your Macromate lens.

STEP 3
SUBJECT AT END
A subject aligned with the end of the stick will be centered in the focus zone.

SUBJECT SIZE?

Select subjects about the size of a golf ball. Choose from Narrow or Medium camera settings. Narrow will offer the sharpest images and most unique views. Both modes require that you get equally close to the subject. Let the focus stick guide you to amazing macro.



SHOOT: WATCH THE LCD BACK FOR FOCUS



MOVE THE CAMERA IN AND OUT TO SEE BEST FOCUS

Using the LCD for focus will help you shoot shy and moving subjects without the focus stick. The GoPro is a fixed focus camera and requires that you move the camera in and out to achieve focus. Use the stick to get an idea of the subject distance and place the camera close to that distance. Then move the camera in and out while watching the focus change on the LCD screen. Within a few dives, you will focus by eye and only need the focus stick as a reminder.

PRACTICE IN YOUR BATH TUB

If you want amazing results on your first dive, practice using your system in the bath tub before you go. You don't need a dive mask for this test, just keep the LCD slightly out of the water. Watch the focus change on your LCD screen as you move in and out on a test subject.

KEEP YOUR FOCUS STICK HANDY

Loop the provided string lanyard in the appropriate hole of the focus stick and fasten it to your camera tray. We've designed the stick to fit perfectly in the foam grip of the Backscatter tray when not in use.

RECOMMENDED CAMERA SETTINGS

GENERAL VIDEO SETTINGS:

Set your Hero3, Hero3+, or Hero4 to RES: 1080, FPS: 60, and FOV: N with PROTUNE off. To maximize battery life, turn WiFi off, turn off the LCD when not in use, and consider setting Auto Shutdown to 300 seconds.

NARROW vs. MEDIUM VIDEO:

Narrow mode will give you the sharpest corners and the most unique shots. Use Medium video mode if the subject requires a larger view.

PHOTO MODE:

The Hero 3+ & Hero4 is limited to medium in photo mode, but delivers stunning macro images. As with video techniques, use the focus stick as a guide and use a tripod for the sharpest images.

USE VIDEO LIGHTS

Small macro subjects tend to hide in dark holes, under dark ledges, or only come out at night. Color filters don't work well in these dark areas of the reef. For the best color, we recommend using video lights. Video lights not only provide color, but help you find your next subject. At night you'll only need 500-700 lumen lights. When shooting in daytime, go with 1200 lumen lights or brighter.

USE A SIMPLE TRIPOD

Don't torture your friends with shaky hand held video. Use a simple tripod like a Joby GorillaPod mounted to your camera tray. Slide your tripod in and out to find focus, then hit record and let the subject do all the movement. Rock steady footage will make your videos look professional and an inexpensive tripod will produce even sharper photos when using video lights.

LENS CARE AND MAINTENANCE

FRESHWATER RINSE

Rinse the Macromate Mini along with your GoPro camera system after every dive or at least at the end of every dive day. To avoid water spots, dry the lens off with a soft cloth after rinsing.

PREVENT FOGGING

The Macromate Mini is designed for extremes, but don't leave it cooking in the sun when not in use. Throw a towel over your system for shade if it will be kept on the boat deck for a few hours. Avoid extreme temperature swings such as jumping from an air conditioned room to direct sun. Keep it in the shade.

DON'T STARE INTO THE SUN

If you're one of those kids that liked to cook ants with a magnifying glass you'll understand the physics of how a Macromate Mini could burn a hole through your GoPro. Our warranty does not cover ant burners like you, so keep your lens pointed away from the sun when not in use.

QUESTIONS?

Thank you for purchasing the Macromate Mini. We hope this lens will inspire creativity on your next GoPro dive. If you have any questions, please don't hesitate to give us a call or email.