

Fantasea Line

UMG-02 LCD Magnifier (Cat. No. 5052)

Instruction Manual

When installed on the camera housing, the **UMG-02 LCD Magnifier** provides the underwater photographer with an enlarged, clear, bright and sharp view of the camera LCD screen. Using the **UMG-02** makes it easier to compose and focus with the camera system, resulting with sharper and more impressive underwater images. **UMG-02** was optically designed for underwater use. The rubber sleeve serves as a sunshade and ensures a clear view also in the brightest conditions. Installation is quick and simple. An adjustable diopter allows focusing the lens to a finer degree customized to individual eyes.



COMPATIBILITY

The **UMG-02 LCD Magnifier** was designed to be installed on Fantasea housings. It can also be installed on other housings featuring a similar design of anti-glare hood rails.

SPECIFICATIONS

- Magnification: 2.3X (underwater)
- Hard anodized aluminum bezel, rubber LCD hood
- Lens construction: 2 groups and 3 elements
- Lens coating: AR multi layer coating
- Depth rated to 100 meters / 330 feet
- Dimensions: 79.6x76x 93mm / 3.13x3x3.66 inch
- Weight: 192 g / 6.77 oz
- Included in package: Lens cap, lens cap secure string and rubber hood quick release
- Included in package: secure string

IDENTIFICATION OF PARTS



- | | |
|-------------------------------------|-------------------------------------|
| 1. Rubber hood | 5. Fixing ring (metal) |
| 2. Rubber hood secure loop | 6. Diopter adjustment ring (rubber) |
| 3. Rubber hood quick release string | 7. Eyepiece secure loop |
| 4. Eyepiece cap secure string | 8. Eyepiece and Eyepiece cap |

INSTRUCTIONS FOR USE

1. Install the UMG-02 LCD Magnifier on the housing:
 - a. Make sure the rubber hood quick release string and eyepiece cap secure strings are tied around the rubber hood secure loop.
 - b. Secure the LCD Magnifier to the housing by tying the housing side of the Rubber hood quick release secure string around the lanyard loop of the housing (preferably bottom left loop).
 - c. Release the quick release secure string to allow for LCD Magnifier installation on the housing.
 - d. Install the LCD Magnifier over the anti-glare hood rails at the back of the housing. First hold it against the rails so that the rubber hood secure loop is found at the bottom left and the eyepiece is pointed upwards. Install the rubber hood over the top rail (image #1) and then gently and carefully stretch it downwards to install it on the bottom rail (image #2), making sure it's sitting securely on both upper and lower rails (image #3).

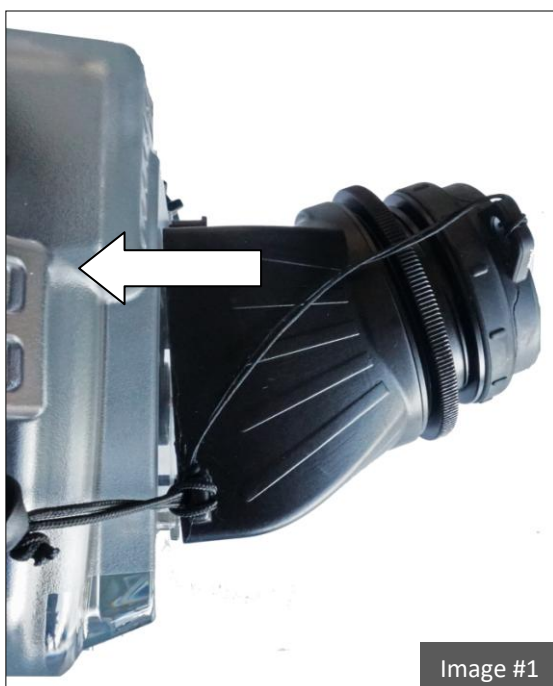


Image #1

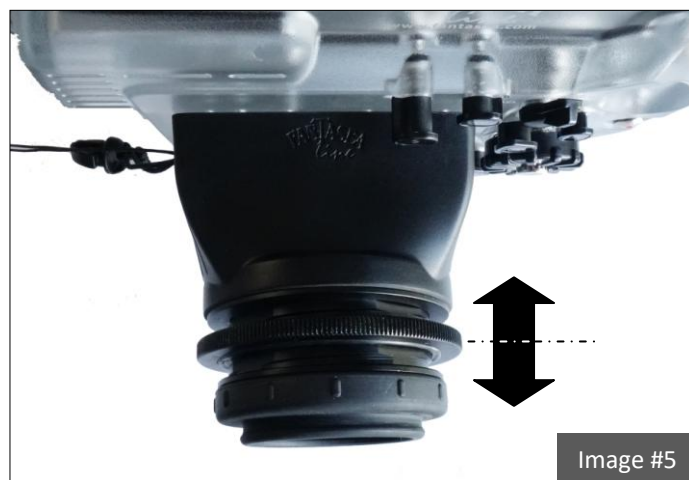


Image #2



Image #3

2. **Note that the LCD Magnifier was designed to work underwater only**, and therefore might not provide a clear image in dry conditions. Underwater, make sure that water enters the hood and completely fills the gap between the housing and the LCD magnifier rear glass for a proper view. Also, make sure that there are no air bubbles trapped between the LCD Magnifier and the housing.
3. Adjusting the diopter:
 - a. Adjusting the diopter to your own personal sight allows for the clearest and sharpest view.
 - b. Diopter adjustment should be carried underwater only.
 - c. Remove the eyepiece cap. Make sure it is secured to the rubber hood secure loop.
 - d. Release the fixing ring by turning it counterclockwise just enough to allow for easy rotation of the diopter adjustment ring (image #4).
 - e. Notice that turning the diopter adjustment ring counterclockwise extends the eyepiece unit and turning it clockwise brings it back in. It is best to set a starting point somewhere midrange (image #5).



- f. Look through the eyepiece on a detailed subject. Notice that turning the diopter adjustment ring adjusts the sharpness of the image viewed through the eyepiece. To select the best position of the diopter adjustment ring for your own personal sight, turn it clockwise and counterclockwise until reaching the point where the sharpest and clearest image is viewed through the eyepiece (image #6).
- g. To fix the diopter in the selected position, tighten the fixing ring by turning it clockwise all the way in, until it can't be turned any further (image #7).
- h. Note that adjusting the diopter should only be carried out once per photographer. However, take into consideration that each of your eyes might require different diopter settings.





4. After the dive, detach the LCD Magnifier and all components from the housing and rinse them in fresh water.
5. Dry and store in a safe protected place. To protect the eyepiece, it is best to store with the eyepiece cap installed.

CARE & MAINTENANCE

1. Please use the utmost care and do not use excessive force when assembling and disassembling the different accessories, in order not cause any damage to the products.
2. Keep the LCD Magnifier away from extreme high temperatures, as under direct sunlight, since it might damage the lens.
3. Do not clean the LCD Magnifier with any chemical solvents or other materials, which might cause damage to the product.
4. Never look at the sun through the lenses.
5. After the dive, rinse all lens components in fresh water. To ensure that the accumulated salt has completely dissolved, it is recommended to soak the LCD Magnifier in warm fresh water once in a while. Wipe the water drops with a soft cloth. Do not leave any droplets to dry on lenses surface, as permanent water spots may remain.
6. When storing the LCD Magnifier and during transportation, make sure that it is properly protected in order to prevent scratches, cracks or any other damage to the product. To protect the eyepiece, it is best to store with the eyepiece cap installed.
7. Do not store the LCD Magnifier in presence of chemicals, solvents or fuels.

FANTASEA PRODUCT CONSUMER LIMITED WARRANTY

“Fantasea” warrants this Fantasea Line branded product against defects in materials and workmanship under reasonable use for a period of ONE (1) YEAR, (two years, where required by law as determined by the origin of the authorized dealer). This warranty is effective from the date of retail purchase from Fantasea or an authorized Fantasea dealer, by the original end-user purchaser (“Warranty Period”). This warranty does not cover any commercial use of the product. If a product defect arises and a valid claim is received within the Warranty Period, at its option, Fantasea, or its authorized service facilities will either (1) repair the product defect at no charge, (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product. The warranty will not extend beyond the original warranty period. Your Fantasea Product should be registered within 30 days of purchase. You must keep the proof of purchase which indicates the date on which the purchase was made; as you may be required to show proof of purchase if you need warranty service. The following conditions apply:

1. This warranty extends to the original purchaser only. It is not assignable or transferable. 2. The warranty does not cover damage resulting from misuse, abuse, negligence, or accidents. Proper maintenance of the Product is the responsibility of the owner. 3. The warranty does not cover damage directly or indirectly resulting from the use of unauthorized replacement parts or service performed by unauthorized facilities. 4. This warranty does not cover any damage to any other product used in conjunction with the Fantasea product, including cameras and lenses, and resulting from any defect in the product materials or workmanship. 5. The cost of sending the product back to Fantasea or its authorized service facilities is the responsibility of the customer. 6. The warranty does not cover any incidental damages resulting from any defects in the product. This expressly includes any travel reimbursements or any other costs associated with the purchaser’s optional use of the product. The conditions of this warranty are expressly in lieu of all other expressed warranties, including the payment of consequential or incidental damages for the breach of any warranty. Please register your product on line at this URL: <http://www.fantasea.com/registration>.