

Entaniya

250°Fisheye Lens for Micro Four Thirds Mount

Entaniya Fisheye 250 MFT User Guide



Printed in Japan

Before Using

- This lens is for digital cameras with Micro Four Thirds mount.
- The lens can't be installed to cameras with Four Thirds™ mount.
- The focus of this lens can only be set manually. For the camera's settings, please check the manual of the camera. Please notice that when using the lens, some shooting modes may be unusable or function incorrectly.

Specifications

Product Name	Entaniya Fisheye 250 MFT 2.3
Mount Type	MFT Micro Four Thirds Mount
Focal Length	2.3mm
Angle of View(4/3)	250°(h:250°/v:250°)
Lens Construction	18 elements in 12 groups, 4 ELD glass elements
F-number	f=2.3mm F/2.8
Image Size	190°=φ7.344mm
Manufactured	Japan (excluding the cap)
Weight	1.6kg

Product Name	Entaniya Fisheye 250 MFT 3.0
Mount Type	MFT Micro Four Thirds Mount
Focal Length	3.0mm
Angle of View(4/3)	250°(h:250°/v:250°)
Lens Construction	18 elements in 12 groups, 4 ELD glass elements
F-number	f=3.0mm F/2.8
Image Size	180°=φ9.2mm
Manufactured	Japan (excluding the cap)
Weight	1.6kg

Product Name	Entaniya Fisheye 250 MFT 3.6
Mount Type	MFT Micro Four Thirds Mount
Focal Length	3.6mm
Angle of View(4/3)	250°(h:250°/v:220°)
Lens Construction	18 elements in 12 groups, 4 ELD glass elements
F-number	f=3.6mm F/4.0
Image Size	180°=φ11mm
Manufactured	Japan (excluding the cap)
Weight	1.6kg

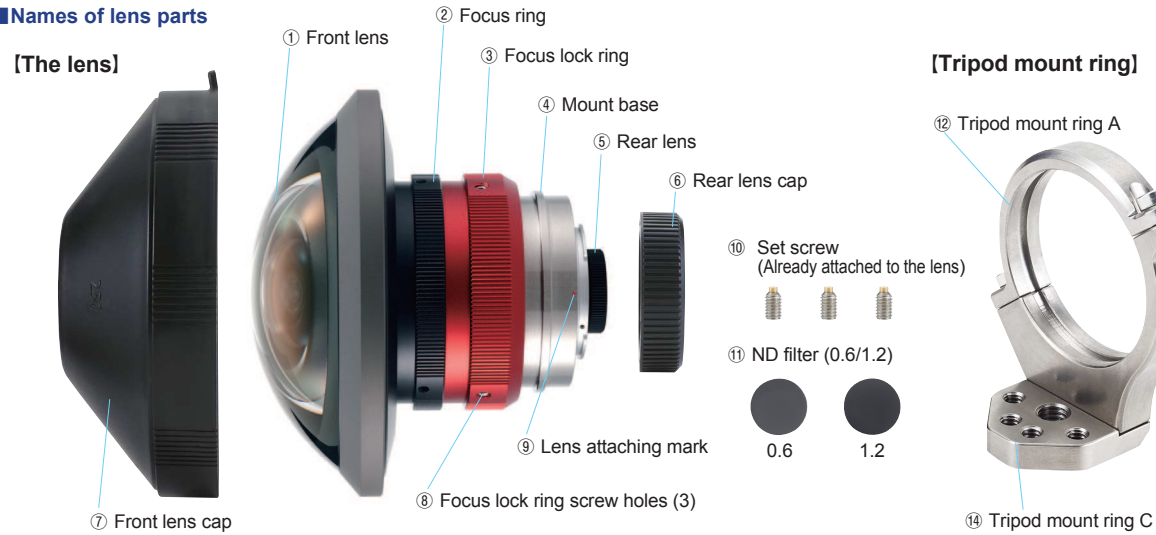
※ In order to keep the size of the lens compact, Entaniya Fisheye 250 MFT and Entaniya Fisheye 250 MFT 3.0 are designed so that rear element is exposed. Therefore, it's possible that the lens can't be attached to some cameras, such as OLYMPUS OM-D E-M5 (Mark1), OLYMPUS PEN E-PL6/E-PL5 and OLYMPUS PEN E-PM1/E-PM2 since the lens would cause interference to some parts around the image sensor. Please contact us if there's anything you're uncertain of.

Parts contained			
The lens	1	User manual of the lens (this booklet)	1
Lens cap (front/rear)	1set	Warranty certificate	1
Tripod mount ring	1set		
Set screw	3		
Screw A for fixing Tripod mount ring	3(reserve 1)		
Screw B for fixing Tripod mount ring	4(reserve 1)		
ND Filter (0.6/1.2)	1set		
Allen key 2mm (For focus lock ring)	1		
Allen key 4mm (For tripod mount ring A)	1		
Allen key 3mm (For tripod mount ring B)	1		

Note: The product specifications and appearance are subject to change for product improvement without prior notice.

How to use Entaniya Fisheye 250 MFT

Names of lens parts



Attaching and taking off the lens

How to attach the lens

- (1) Make sure the power of the camera is turned OFF.
- (2) Take off the ⑥Rear lens cap.
- (3) Turn the lens according to the ⑨Lens attaching mark until you hear a click sound.
- (4) Make sure the lens is properly attached and then remove ⑦Front lens cap.

How to take the lens off

- (1) Please make sure the power of the camera is turned OFF.
- (2) Attach the ⑦Front lens cap.
- (3) While pushing the dismantling button, turn the lens to detach it from the camera.
- (4) Attach the ⑥Rear lens cap.

※Please always attach and take off the lens in a secure place. If you are not careful, the lens or camera might fall and break. Always read the manual of the camera used.

Notes on shooting

- This lens has super wide angle of view and because of that, light sources such as the sun are much brighter than normally and can easily cause flare or ghosting. To prevent this from happening, we recommend you to avoid shooting in places with strong sunlight and for example shooting in the shade to minimize the possibility of flare and ghosting.
- Since the angle of view is extremely wide, you or the tripod might easily be reflected in the photo. It's necessary to pay attention to this when shooting.
- As the lens is an interchangeable lens, there may be situations where the center of the image circle and the center of the actual shooting screen are out of sync. Similarly, vignetting of the four corners of the photo may be unequal.
- Exposure level depends on the functions of the camera used. Depending on the model, there is a possibility that suitable exposure level can't be achieved. Also, since the angle of view is extremely wide and the brightness range of the photographic subject is also wide, we recommend you to always try shooting at many different exposure levels.

Tips for extending the lens longevity

- Do not touch the lens surface directly.
- If dust or dirt sticks to the lens surface, either remove it with an air blower or gently wipe the lens with a clean piece of cloth.
- In case there are fingerprints or grease stains on the lens, please use a cleaning cloth exclusively meant for lens cleaning. Dip the cloth into cleaning solution and gently rub the lens surface, starting from the center of the lens. Do not use cleaners containing gasoline, paint thinner or other organic solvents.

Warranty and after-sales service

- Warranty period is 1 year from the shipping date.
- As a principle, we will charge for repair after the warranty has expired. You are also responsible for paying any shipping costs when sending the product to us.
- If the damage is due to careless treatment of the product (e.g. dropping the lens, physical impacts, getting the lens wet, sand or mud stuck on the lens, water/sand/mud inside the lens) or inadequate maintenance of the lens (such as mold grown onto the lens), it's possible that we will charge for the repair. There are also cases where the lens cannot be repaired.
- We can't compensate for any incidental problems related to the lens damaging (for example, losing profits due to not being able to take pictures).

The lens



How to use Tripod mount ring

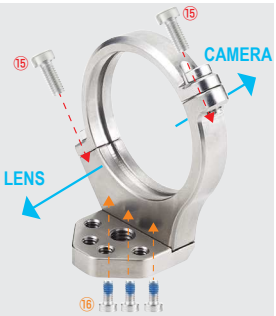
In case you want to fix a tripod to a camera with the lens installed, please always use the Tripod mount ring included.

Attaching Tripod mount ring to the lens

- [1] Fix ⑲Tripod mount ring B and ⑭Tripod mount ring C with a ⑯Screw B for fixing Tripod mount ring and interpose the convex part of ④Mount base with ⑫Tripod mount ring A. Use ⑱Allen key 3mm for fixing.

- [2] Use ⑮Screw A for fixing Tripod mount ring to fix ⑫Tripod mount ring A and ⑲Tripod mount ring B. Make sure to tighten screws from the right side. Use ⑱Allen key 4mm for fixing.

- [3] Fix the screw holes of the tripod side of the ⑭Tripod mount ring C with camera screws



How to attach ND filter

In case of over-exposure, you should attach a ND filter (light-reducing filter) to rear lens. There are 2 types included (0.6/1.2). Please choose which one to use based on the way of use.

- [1] Hold the edge of the ⑤Rear lens and turn it counter-clockwise. The cover of the ⑤Rear lens will come off.

- [2] Attach the ND Filter to ⑤Rear lens.

- [3] Reattach the lens cover taken off at [1]. Then, attach it to the camera (Please take a look at ■Attaching and taking off the lens).



How to adjust the focus

Since the focus of the lens is adjusted by a screw, it might go out of focus due to such reasons as changes in temperature or vibration. In these kind of cases, please follow the procedure below to adjust the focus.

[1] Loosen the screws of the Front lens

Using ⑱Allen key 2mm, loosen all the ⑩Set screws fixing the ③Focus lock ring. Don't unscrew them completely. Turn ③Focus lock ring clock-wise to unlock of ②Focus ring.



[2] Adjust the focus

The focus can be adjusted by turning the ②Focus ring. Turn the lens about 1-2mm. Don't turn the lens too much at once but adjust the focus gradually while checking the image quality.



[3] Fixing the Front lens

After the focus has been adjusted, turn the ③Focus lock ring counter-clock-wise and fasten ②Focus ring. Attach the ⑦Front lens cap and fasten all the ⑩Set screws of the ③Focus lock ring with ⑱Allen key 2mm. Please be careful to not fasten them too tightly.



Notes related to safety

In order to use the product safely, make sure to read "Entaniya Fisheye 250 MFT Instruction Manual" before use. This manual has important advice on how to prevent accidents and how to use the product. After carefully reading the manual, please use the product with care. Please always store the manual in a place within your reach.

CAUTION

- Do not keep the lens in places with extremely high or low temperatures. Please be careful when using the lens in extremely hot (greater than 35°C) or cold (less than 0°C) places. Extreme temperatures might worsen the picture quality and can also cause malfunction. Also, if the lens is transferred from a cold place to a warm place, condensation may occur. Please insert the lens in a plastic bag beforehand to adapt it to the ambient temperature and wait a moment before using the lens. This also applies for situations where the lens is transferred from a warm place to a cold place.
- Do not point the lens at the sun or other intense light sources. The image sensor inside the camera may burn out and make taking pictures impossible.
- Do not impact the lens. The lens isn't designed to be used in situations with continuous vibration or while playing sports with impacts. If you shoot with the lens in these kind of situations, there's a possibility for the lens cracking.
- When using the lens, don't only fix the lens mount but also the lens itself. It may fall unexpectedly.

WARNING

- Don't disassemble and restructure the lens.
- Make sure the lens won't get wet.
- Don't look at the sun or other strong light sources directly through the lens. This may cause blindness.
- Please keep the lens out of reach of children. The lens might fall or break and lead to injury.

- When removing the lens, please hold the lens and take it off carefully. There is a risk of dropping it.
- Please put the lens cap on when storing the lens.
- Do not put the lens in direct sunlight. The light may reflect to nearby objects and cause fire. If it's absolute necessary to leave the lens in direct sunlight, always put on the lens cap. Also, leaving the lens inside a car under sunlight might lead to malfunction because of the high temperature.
- Do not put the lens in places with a lot of dust, oily smoke, steam, etc. This may cause malfunction.
- Do not leave the lens in humid place for a long time. This may lead to mold growing.
- After attaching the lens to camera, always support both lens and camera when holding it.
- If you wish to connect the lens to other devices, please always read the manual of the device and make sure the devices are compatible.

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