

UWL-400A

0.5X Ultra-wide Angle Conversion Lens with QRS-01 compatible

User Manual

Thank you for purchasing our product. UWL-400A is an underwater conversion lens which allow you to enjoy the underwater ultra wide angle photography. This Lens is built with a replaceable M52 thread mount, it can be mounted on most of the popular camera waterproof housing and be compatible with AOI Quick Release System (QRS-01) .

Compatible Camera Lenses

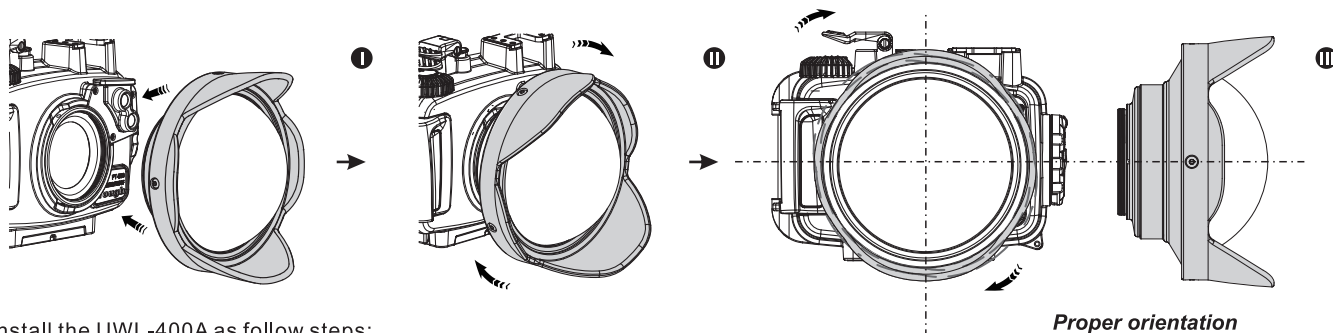
UWL-400A is designed for Camera Lens Focal Length with 25mm or above (35mm Equivalent).

Note: Depending on your waterproof housing design, if you find vignette in your picture by using UWL-400A lens, slight zoom forward your camera lens until there is no more dark corner.

Product Features

- UWL-400A is designed for using UNDER WATER. Its underwater FOV is 120° (by using a camera with 25mm Lens, eg. Olympus TG 4 / 5).
- The lens is made by four high quality optical glass lenses elements and one hard coated plastic dome lens element. The Crown glasses and Flint glasses have been arranged to compensate the aberration. All glass lenses have been coated with Multi-Layers Anti-Reflection coating (AR coating).
- Besides the wide angle achieving photography, the UWL-400A allows your camera focusing in zero distance from the Front Dome. User can take a close distance object with a wide view background.
- UWL-400A is coming with a Lens Hood and it minimizes the flare as well as provides the best protection to the Front Dome.
- The M52 thread mount allows you to attaching the lens directly to the camera waterproof housing with the M52 lens ring (step-up ring may be applicable to difference sizes of housing lens ring).
- If replace the UWL-400A thread ring with AOI QRS-01-AD3, it will be compatible with AOI Quick Release System (QRS-01) and will be more convenient for lens installation.

Installation Procedure



Install the UWL-400A as follow steps:

- I Align the lens with the 52mm lens ring on the waterproof housing.
- II Rotate the lens in clockwise direction until you feel the lens is locked secure on the lens ring.
- III Rotate the Lens hood in the proper orientation .

IMPORTANT

Double check with your picture if the lens hood is found, re-adjust the orientation of the lens hood again.

Remark:

- I Install the lens with appropriate force, improper installation may damage the thread on both of the lens and the lens ring.
- II To prevent corrosion, it is recommended to apply some silicone grease on the threaded area.
- III From the lens design, water acts as an optical element. It is important to have the water filling up the space entirely between the rear lens of UWL-400A and the housing port lens (without trapping air bubble).

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■ General Use Notice

- UWL-400A provides you ultra wide angle photography. In order to get the best image with your equipment, please start the camera at full wide position. By using different camera and housing, the image may have slight vignette. In this case, slightly zoom forward the camera lens until there is no more dark corner.
- It is recommended to use external strobe or video light with the UWL-400A. The built-in flash may be blocked by the lens and causes partial underexposed image.
- When you use an external strobe, keep the flash beam outside the Field of view of the lens in order to prevent the direct flash light enter to the lens and cause ghosting image.
- Do not impact the lens with large shock and vibrations or try to disassemble it, these will lead to damage or flood the lens. During transportation, put on the rear lens caps and put it in the lens carrying case to have a better protection.
- Do not place the lens inside an extreme hot temperature condition for example inside a high temperature car compartment, or under the direct sunlight. It may cause the sealing O-ring damage and eventually flooding.
- Do not clean the product with organic solvent or other chemical. It may damage to the front plastic dome lens and/or degrade the coating on the rear lens.
- Never look at the sun through the lens.

■ Maintenance

- After using of UWL-400A, clean the lens with running fresh water. To ensure the accumulated salt is completely dissolved, it is recommended to soak the lens in fresh warm water for several hours.
- Blow off the water residue or droplet by compressed air or wipe the lens with micro fiber cloth.
- Storage the lens in a cold dry area.
- Do not store the lens in presence of chemical, solvents or fuels.
- Do not let the water residue or droplet to dry on lens surface. Permanent water spots may remain.

■ Specifications

Lens Type	0.5X Ultra-wide Angle Conversion Lens with QRS-01 compatible
Lens Construction	5 groups, 5 elements
Depth Rating	100 Meters / 330 Ft.
Magnification	0.50x
Mounting	M52 Thread Mount / QRS-01 compatible
Lens Coating	Multi Layer Anti-Reflection Coating on Glass Elements, Hard Coated on Plastic Dome Lens Element
Lens Barrel / Lens Hood	Aluminum Alloy with Black Anodize / ABS
Weight (on land / underwater)	618 g / 224 g
Dimension	121.8mm(D) X 76mm(H)

■ Product Content

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| ● 0.5X Ultra-wide Angle Conversion Lens with QRS-01 compatible | 1pc |
| ● Rear Lens Cap | 1pc |
| ● Lens Secure Line with Installation Manual | 1pc |
| ● Dome Lens Hard Cover (AOI DHC-01) | 1pc |
| ● AOI O-ring Remover | 1pc |
| ● AOI Micro Fiber Cloth | 1pc |
| ● User Manual | 1pc |
| ● Lens Carrying Case | 1pc |