

INON UWL-95 C24 M52 Wide Conversion Lens

User Manual

Safety Precautions

- Before using your lens, please ensure that you have read and understood the safety precautions described below and user manuals. Please retain user manuals handy for easy reference.
- The safety precautions are intended to instruct you in the safe and correct operation of the strobe to prevent injuries or damage to yourself, other persons and equipment.



WARNING

Failure to observe the precautions described below may lead to possibility of serious injury or death.

Never attempt to see the sun or strong light source through the lens or camera to avoid irreparable injury to the eyes, or temporary visual impairment which may affect your performance requiring safety aspects.

Do not leave the lens in a place subject to direct sunlight to prevent fire which may be caused by the lens collecting sunlight

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INON UWL-95 C24 M52 Wide Conversion Lens

Thank you for purchasing INON product.

The INON UWL-95 C24 M52 Wide Conversion Lens is an attachment lens to acquire ultra wide shot by simply screwing on lens port of compatible underwater housing for 24mm (35mm film equivalent) wide digital camera. The lens can be easily attached or detached underwater.

Features

- **Dual use wide conversion lens for land/underwater** supporting maximum 95° wide angle image underwater or maximum 159° fish-eye imaging on land.
- Dedicated super wide option *Dome Lens Unit III* further increases its maximum view angle underwater up to 141°.
- Totally renewed optical design supports large 1.0-type image sensor camera with bright master lens, successfully suppresses flare/ghost even in backlit condition and shorten minimum focusing distance 0cm to get subject in focus on the lens creating vivid **Wide Macro shot**.
- Highly versatile **M52 Mount** enabling to install the lens directly on compatible Olympus genuine housings.
- Attaching optional *M67 Type1 (or Type2) Screw Ring for UWL-95 C24* will convert the lens to use as *UWL-95 C24 M67 Type1 (or Type2) Wide Conversion Lens*.

Package contents:

- UWL-95 C24 M52 Wide Conversion Lens
- Lens Cap (object side×1/camera side×1)
- This user manual

Compatible housing:

- Olympus PT-059, PT-058, PT-056

(As of September 2022)

Installation :

- Make sure to apply a little amount of grease (supplied with an underwater case) on the threaded ring of the lens to prevent anchoring between the lens and housing due to salt build-up or electric corrosion.
- Screw the lens directly onto the housing port. It is necessary to fill the space between the lens and housing port surface with water, so attach the lens underwater or partially unscrew the lens allowing inside air to escape then retighten.

Usage :

- **Zoom setting**
Use zoom wide end. Crop an image after shooting if vignetting is observed. This lens is designed to deliver optimal quality/performance with this setting.
- **Focus setting**
The lens is usable for all focus range of the compatible camera. When using this lens, actual shooting distance (distance between subject and subject side lens) gets close comparing to camera's stand-alone focusing point, so it is possible to shoot close-up image closer than rated minimum focusing distance of the camera.
- **Built-in flash setting**
When not using an external strobe, it is recommended not using the built-in flash and shoot with ambient light only since the built-in flash light may be blocked depending on shooting conditions including housing type, shooting distance or angle of view.

Handling Precautions:

- Never scratch/damage the side frame of the front lens element (indicated/highlighted in the right image) where O-ring contacts when optional Dome Lens Unit III is attached. **If this part gets scratched/damaged, Dome Lens Unit III cannot be attached.** It is recommended to use optional *Lens Hood II* to protect accidental damage on this part and the lens surface.



- **Do not leave any water drop(seawater/fresh water) on lens surface after using before attaching a lens cap or store in wet carry pouch.** Remaining water could cause spot/burn of coating or glass itself. Slight spot/burn would not be affected to an image, but heavy spot/burn may affect an image and the damaged lens needs to be replaced on customer's expense. **Especially if air temperature is relatively high where remaining water on the lens surface will be vaporized very quickly, the lens has high chance to get spot/burn with remaining water on the lens surface even for a short period of time.**
- **DO NOT disassemble the lens.** Improper disassembly could cause malfunction or flooding. **Please make sure NOT to hold front lens frame (which holds subject side lens) but to hold lens barrel where INON logo/product name is printed and rotate it when detaching the lens from combined housing.** Excessive pressure on the front lens frame of this product could loosen the frame and possibly lead to subsequent flooding.

- **DO NOT** exercise thumping vibration or excessive shock on the lens to avoid malfunction or flooding.
- **DO NOT** leave the lens under direct sunlight. The lens may collect the sunlight and cause fire. **Never** attempt to see the sun through the lens to avoid serious damage to eyes.
- **DO NOT** leave the lens under direct sunlight like beach or boat deck and in area of high temperature like in sun-heated car to avoid malfunction or flooding.

Maintenance

- After using, **always remove the lens from housing** and soak in fresh water (below 30°C/86°F) for several hours to dissolve any remaining salt. Then **blow off water on the both lens surface**. Leave the lens at **shaded** and well-ventilated area to dry **with no water droplets/moisture on both lens surfaces** (it may take a few days to completely dry).
- **Attach lens cap after completely dry** and store the lens in shaded and well ventilated area. **DO NOT** store the lens in the area near chemical, in high humidity or temperature fluctuation to avoid malfunction, flooding, damage to lens surface or mold.

Type Conversion

- It is possible to convert **UWL-95 C24 M52** by installing optional **M67 Type1 Screw Ring for UWL-95 C24** or **M67 Type2 Screw Ring for UWL-95 C24** to support self-modification. If you find any difficulties to attach the optional screw ring, do not proceed self-modification and consult your purchasing dealer.
- **DO NOT remove** the original **M52 screw mount** as this preinstalled screw mount seals the lens barrel and removing the screw mount will lead flooding. Please consult your purchasing dealer when you need to change the original M52 screw mount.

Options:

- **Lens Hood II**
The **Lens Hood II** is designed to shade unnecessary light from outside of view angle and reduce flare/ghost which could happen in backlit condition. The hood also protects lens surface and its frame. We recommend to attach the lens hood always when shooting.



- **Dome Lens Unit IIIA**
- **Dome Lens Unit IIIG**
The **Dome Lens Unit III** is exclusively designed for **UWL-95 C24** wide lens to increase view angle underwater up to approx. 141°. Either acrylic or glass dome is available to choose.



- **M67 Type1 Screw Ring for UWL-95 C24**
- **M67 Type2 Screw Ring for UWL-95 C24**
The set consists of threaded ring either of **UWL-95 C24 M67 Type1** or **UWL-95 C24 M67 Type2** and fixing screws to convert this product to **UWL-95 C24 M67 Type1** or **Type2**.



- **UWL-100 Neoprene Carry Pouch**
Carrying pouch made from neoprene same material as wet suits. The carry pouch can be used underwater.



- **M52 Lens Holder for Float Arm**
- **M52 Lens Holder S**
- **M52 Lens Holder W**
Attaches to INON Arm etc. to hold M52 Mount series lenses to help easy handling of multiple lenses underwater.



INON Wide Conversion Lens UWL series	
Specifications ^[①]	
Model	UWL-95 C24 M52
Outer diameter	φ 90.0 mm/3.5 in
Length	48.2 mm/1.9 in
Mount	INON M52 Mount
Weight	[underwater]: approx.388 g/13.7 oz, [air]: 605 g/21.3 oz
Depth rating	60 m/196.9 ft
Body material/finishing	Corrosion-resistant aluminum alloy/rigid black almite
Lens material/finishing	Optical glass/both side anti-reflection coatig
Construction/magnification ^[②]	3 groups 4 elements/0.63(afocal system)
Max. view angle ^[③]	[underwater] 95.1°/[air]159.0°

[①] Specification is subject to change without prior notice. —
 [②] UWL-95 C24 M52 performance itself (telescopic magnification : v).
 [③] Actual view angle may vary depending on camera/housing to be used.

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