

INON UWL-95S XD

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-95S XD Wide Conversion Lens

Thank you for purchasing INON product.

INON UWL-95S XD Wide Conversion Lens is an attachment lens to acquire ultra wide shot by simply attaching on housing port of 24mm (35mm film equivalent) wide digital camera via INON optional adapter.

Optional INON **XD Mount** is require to use UWL-95S XD.

Main Features

- **Dual use wide conversion lens for land/underwater** supporting maximum 95° wide angle image and maximum underwater or 159° fish-eye imaging on land. [③]
- Dedicated super wide option *Dome Lens Unit III* further increases its maximum view angle underwater up to 141°.
- Unique optical design allows to shorten minimum focal distance with ultra wide view angle thus effective for **Wide Macro shot**.
- Totally renewed optical design supports successfully suppresses flare/ghost even in backlit condition.
- Compatible with large 1.0-type image sensor camera with bright master lens.
- Lockable bayonet **INON XD Mount** compatible to support friendly and speedy lens exchange underwater.

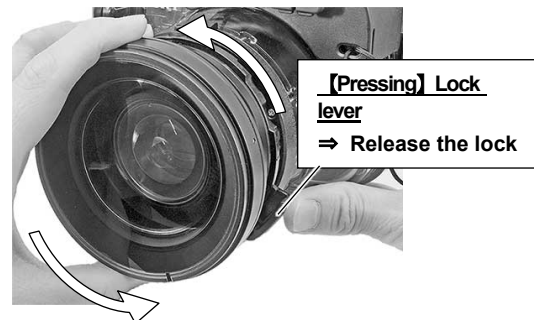
- Package contents:**
- UWL-95S XD Wide Conversion Lens ①
 - Front Lens Cap ②
 - Rear Lens Cap ③



Compatible camera/
housing and option
(As of October, 2021)

Brand	Genuine housing	XD Mount
Olympus	PT-056, PT-058, PT-059	XD Mount for PT-056/PT-058/PT-059
Sony	MPK-URX100A	XD Mount for URX100A

- Installation method :**
- Match **Guide A [Lens]** with **Guide A [XD Mount]** as in below left image and put the male bayonet mount of the lens in the female bayonet mount of the XD Mount.
 - Turn the lens clockwise until **Guide A [Lens]** is coupled with **Guide B [XD Mount]** where you should feel and hear clicking.
 - When removing the lens, with pressing the lock lever, rotate the lens counterclockwise.

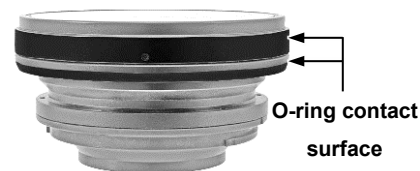


- Once submerged, remove the lens underwater and shake it well to drop trapped bubbles especially from the rear lens surface then install the lens on the XD Mount again following same procedure.

- 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 at 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 III* to protect accidental damage on this part and the lens surface. Please refer to “Options”, later in this manual.



- **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 affect 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.
- **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 UWL-95S XD from XD Mount. Soak the UWL-95S XD 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 by compressed air etc. Leave the lens at shaded and well-ventilated area to dry with no water drops on the both lens surface (it may take several days to completely dry).
- After completely dry, put lens caps on and store out of direct sunlight and well-ventilated area. **DO NOT** store the lens in area with chemical fumes, high humidity or extreme temperature fluctuations. Storage in such area may lead to damage, water leakage, lens surface degradation or mold.

Options

- *XD Mount for PT-056/058/059*
- *XD Mount for URX-100A*

Lens mount equipped with INON “XD mount” lockable bayonet system to attach INON XD mount series lens on compatible housing.



- *Lens Hood III*

The *Lens Hood III* 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/UWL-95S XD wide lens to increase view angle underwater up to approx. 141°. Either acrylic or glass dome is available to choose.



- *UWL-100 Neoprene Carry Pouch*

Carrying pouch made from neoprene same material as wet suits.

The carry pouch can be used underwater.

UWL-95S XD does not fit this pouch when either “Lens Hood III” or “Dome Lens Unit III” is attached.



- *XD Lens Holder Shoe Base*
- *XD Lens Holder M5*
- *XD Lens Holder S*

Lens holders to hold XD Mount series lens on compatible products such as cold shoe mount of camera housing, INON Arm/Float Arm product etc. to support speedy lens exchange underwater.



INON Wide Conversion Lens UWL series	
Specifications [①]	
Model	UWL-95S XD
Outer diameter	φ90.0mm (3.5in.)
Length	48.3mm (1.9in.)
Mount	INON XD Mount
Weight	Underwater: approx. 380g (13.4oz) / Air: 596g (21.0oz)
Depth rating	60m (196.9ft)
Body material / finishing	Corrosion-resistant aluminum alloy/ rigid black almite, POM etc
Lens material / finishing	Optical glass / both side anti-reflection coating
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-95S XD performance itself (telescopic magnification : v).
 [③] Actual view angle may vary depending on camera/housing to be used.

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