

INON

INON Pancake Port

Thank you for purchasing INON product.

INON Pancake Port is compact and high quality port for compatible pancake lens. The 「Pancake Port」 is exclusively for Panasonic LUMIX G20mm/F1.7 ASPH., LUMIX G14mm/F2.5 ASPH., LUMIX G12.5/F12 lens and also usable for Panasonic LEICA DG MACRO-ELMARIT 45mm/F2.8 ASPH./MEGA O.I.S. lens in combination with Extension Ring 36.

Features

- Optical glass with multi-coating suppresses flare/ghost to provide sharp and high contrast image.
- INON 「UCL-330 Close-up Lens」 or 「UCL-165M67 Close-up Lens」 can be directly attached on this port. You can mount/dismount close-up lens underwater depending on focusing distance of a subject.

Package contents :
• Pancake Port x 1
• INON Grease x 1
• This user manual



Compatible housing: • INON X-2 for GF1, **INON X-2 for GF2**
(as of July 2011)

Compatible lens :
(as of July 2011)
• Panasonic LUMIX G20mm/F1.7 ASPH. (*1)
• Panasonic LEICA DG MACRO-ELMARIT 45mm/F2.8 ASPH./MEGA O.I.S. (*2)
• Panasonic LUMIX G14mm/F2.5 ASPH. (*1) (*3)
• **Panasonic LUMIX G12.5mm/F12**
(*1) Auto focus (AF) only.
(*2) Optional INON 「**Extension** Ring 36」 is necessary. Auto focus (AF) only.
(*3) Optional INON 「Shade Ring 46」 is necessary.

Installation method:
on a housing • Make sure that there is no dust/damage on the Port O-ring, O-ring groove, O-ring contact surface of the housing. Then set the Port on the housing. Refer to housing user manual for detail of checking O-ring/O-ring groove/O-ring contact surface.

Pre-use check • **Always conduct leak test to immerse the assembled Pancake Port/housing in a tub filled with fresh water (below 30°C/86°F) to check that no water leakage is observed** to make sure that the product has been properly installed on the housing carrying waterproof property. Refer to housing user manual for detail of pre-use check.

Maintenance :
• After using, first rinse and then soak in fresh water (below 30°C/85°F) for several hours, to dissolve any salt build-up. Refer to housing user manual for detail.
• Blow off remaining water and leave the port at shaded and well-ventilated area to dry with no water drops on the lens surface (it may take several days to completely dry). Remaining water on the lens surface could cause damage like weathering.

Handling Precautions:
• Protect from impact shock and vibration, such as vibrating boat deck to prevent malfunction or flooding of the product.
• Do not expose to extreme heat, such as inside of a sun-heated car, or in hot direct sunlight, such as a beach or boat deck. Doing so may cause deformation, damage and subsequent flooding.
• Pre-use check, use condition, after-use maintenance and maintenance of waterproof property conform to housing user manual.

Options

- [UCL-330 Underwater Close-up Lens](#)
- [UCL-165M67 Underwater Close-up Lens](#)
Attaches on port front and enables to shorten minimum focal length to get closer to your subject. The lens construction is 2 elements 2 groups of inner coated optical glass and effectively suppress aberrations to obtain optimum performance of master lens. Two types of close-up lens are available to suit different subject size and accessibility; standard magnification model UCL-330 (focal length: 330mm ※) and high magnification model UCL-165 M67 (focal length: 165mm (underwater)/135.6mm (air) ※).
- [MF Rear Port Cap](#)
Port O-ring protection during transportation or storage. The MF Rear Port Cap is compatible with all INON ports. Pressure relief construction to equalize pressure inside of the port to the outer pressure is useful when traveling air.
- [Shade Ring 46](#)
The Shade Ring 46 is attached in front of the 「Panasonic LUMIX G 14mm/F2.5 ASPH.」 lens when used the lens in the「Pancake Port」to block the built-in flash light to prevent it from exposing on an image
- [Spare O-ring for Port/Ext. Ring](#) [service part]
Replacement INON oil-bearing yellow O-ring for Port and EXT. Ring.
- [INON Grease](#)
Grease for INON oil-bearing yellow O-ring.



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Specifications

Type	Pancake Port
Compatible Lens	Panasonic LUMIX G 20mm/F1.7 ASPH
	Panasonic LEICA DG MACRO-ELMARIT 45mm/F2.8 ASPH./MEGA O.I.S. (*1)
	Panasonic LUMIX G 14mm/F2.5 ASPH (*2)
	Panasonic LUMIX G 12.5mm/F12
Outer Diameter	Φ 104mm / 4.1inch
Length	27mm /1.1inch
Weight	145g / 5.1oz (air, stand alone)
Depth Rating (*1)	75m / 246feet
Material/Surface Finishing	Corrosion-resistant aluminum alloy
	Rigid black alumite,
Glass Material/Surface Finishing	Optical glass / inner multi coating

(*1) Optional INON 「Extension Ring 36」 is required.

(*2) Optional INON 「Shade Ring 46」 is necessary.

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