# INON MRS60 Port Ⅱ

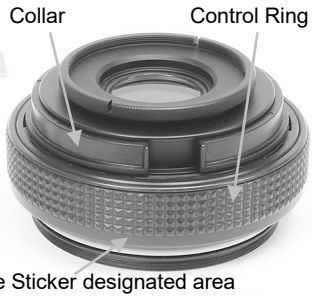
Thank you for purchasing INON product.

INON MRS Port series is compatible with INON unique technology「INON MRS System (PAT.P)」to control lens focusing operation by magnetic attraction without mechanical gear. MRS60 Port Ⅱ is exclusively for Canon EF-S 60mm Macro USM Lens.

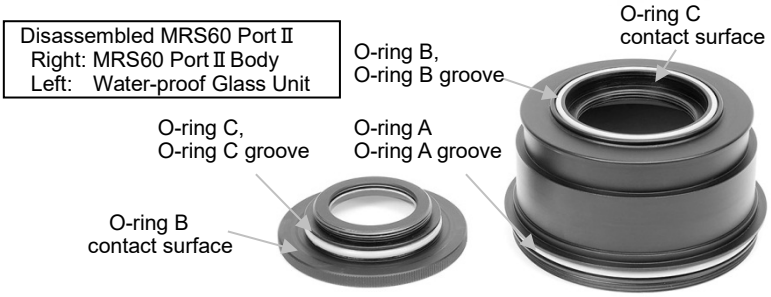
**Features**

- MRS60 Port enables you to smoothly control manual focusing by rotating the MRS Control Ring on the port as like operating the lens itself on land.
- 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.
- Compatible with INON underwater micro semi-fisheye relay lens「UFL-MR130 EFS60」which provides unique image with wide angle, deep depth of field and minimal shooting distance.

**Package contents** : ・ MRS60 Port Ⅱ
(MRS60 Port Ⅱ Body / Water-proof Glass Unit)
・ Control Ring [MRS Magnet Control Ring(60/60Ⅱ/100UⅡ/100UⅢ/50 for Olympus)] (pre-installed on「MRS60 Port Ⅱ」)
・ Collar [Collar(MF STD Ⅱ, MRS100U/100UⅡ/100UⅢ/60/60Ⅱ/50 for Olympus)] (pre-installed on「MRS60 Port Ⅱ」)
・ Lens Cap ①
・ Scale Sticker ②
・ START △ Sticker ③
・ Water-proof Glass Unit/Lens Ring Jig ④
・ INON Grease ⑤
・ This user manual

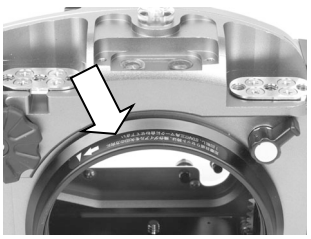




**Compatible housing**: (as of Jan. 2018)
・ INON X-2 for EOS20D
・ INON X-2 for EOS20D BK
・ INON X-2 for EOS20D BK(TM)
・ INON X-2 for EOS30D BK(TM)
・ INON X-2 for EOS50D/40D
・ INON X-2 for EOS60D
・ INON X-2 for EOS70D
・ INON X-2 for EOS80D




**Compatible lens** : (as of Jan. 2018)
・ Canon EF-S 60mm F2.8 Macro USM

**Installation method on a housing**:
・ Refer to the section「Removal/installation of the water-proof glass unit」to check if the water-proof glass unit is properly attached.
・ Dismount the Collar/Control Ring from the Port. Open the mouth of the Collar little bit to take it out from the Port towards to subject side. Dismount the Control Ring in same way.
・ Attach Scale Sticker on the designated area of Control Ring. Attach the Scale Sticker to see numbers upright position in above product image.
・ Make sure that there is no dust/damage on the O-ring A, O-ring A 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.
・ Adhere the START△Sticker at「START△Sticker Area」on your housing where easy to see underwater. Install the MRS Magnet Ring 60 Set (option) on compatible lens then set combined camera/lens in compatible housing. Refer to respective user manual how to set the Magnet Ring on a lens or to set a camera/lens in the housing.
・ Install Control Ring/Collar on the Port by the opposite procedure of dismounting them.



**Usage**

- Turn the Control Ring to the direction indicated by ⟹ on the Start △ Sticker to align the △mark with the △ mark of the Scale Sticker.
- After matching two △ marks in above, slowly turn the Control Ring to the same direction until the two △ mark matches again. When turning the Control Ring to the other way from this point until「∞」of the Scale Sticker, indications on the lens and on the Scale Sticker is synchronized. You can reset underwater by following this procedure in case you miss proper synchronization.
  - ※ This synchronization is only usable when focus mode switch is set to「MF」and not available when using auto focus/full time manual focus with focus mode switch set to「AF」.
  - ※※ Dismount the Collar and the Control Ring to remove trapped sand/iron sand between the Control Ring and the Port as necessary to avoid damage on them.

**Removal/installation of Water-proof Glass Unit**

- **It is necessary to dismount pre-installed "Water-proof Glass Unit" when using INON underwater micro semi-fisheye relay lens「UFL-MR130 EFS60」.** Otherwise, the "Water-proof Glass Unit" must be properly attached on the MRS60 Port Ⅱ Body.
- When you re-install the "Water-proof Glass Unit", make sure that there is no dust/damage on the O-ring B/O-ring B groove/O-ring B contact surface and O-ring C/O-ring C groove/O-ring C contact surface. Refer to housing user manual for detail of O-ring maintenance.
- Always confirm that the "Water-proof Glass Unit"/「UFL-MR130 EFS60」has been properly and securely attached before using. When you re-tighten the "Water-proof Glass Unit", use supplied Water-proof Glass Unit/Lens Ring Jig as shown in the right image. Refer to respective user manual for detail of installation/removal of the 「UFL-MR130 EFS60」.

**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.
- Make sure to dry the Water-proof Glass Unit surface completely before using supplied lens cap to prevent spotting/weathering of the glass surface.

**Maintenance** :

- After using port underwater, first rinse and then soak in fresh water (below 30℃/85°F) for several hours, to dissolve any salt build-up. When soaking in fresh water, slowly turn the Control Ring to work out any salt or sand trapped in the gaps. 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).
- ***Apply thin film of supplied INON grease on thread parts*** to prevent anchoring due to「salt-build-up」or「electrical corrosion」and on inner side of the Control Ring when dismounting it. For maintenance method of O-rings, refer to housing user manual.

**Option** :

- *UCL-330 Underwater Close-up Lens*
- *UCL-165 M67 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) ※).
- *Dome Lens Unit Cover*
  Port cover made from neoprene.
- *Lens Cap [water-proof glass unit subject side]*
  ① in the product image.
- *Water-proof Glass Unit/Lens Ring Jig*
  ④ in the product image
- *Spare O-ring for X1 Port/EXT. Ring*
  「O-ring A」in the product image.
- *Spare O-ring Set for Water-proof Glass Unit*
  「O-ring B」and「O-ring C」in the product image.
- *INON Grease*
  ⑤ in the product image.
- *Scale Sticker Set MRS60*
  ② and ③ in the product image.

| INON Port MRS series Specifications | |
|---|---|
| Type | MRS60 Port Ⅱ |
| Compatible lens | Canon EF-S60mm F2.8 Macro USM |
| Size | φ114.5mm/4.5" x 61.5mm/2.4" (incl. Control Ring) |
| Weight | 364g /12.8oz (incl. Control Ring, air) |
| Practical depth rating | 75m / 246' |
| Material / Surface Finishing | Corrosion-resistant aluminum alloy / |
| | Teflon molybdenum coating |
| Glass material / Surface Finishing | Optical glass / inner multi coating |

Subject to change without prior notice.

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