N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

CAMERA LENS | GEAR | PORT ADAPTOR | EXTENSION RING | PORT | MOUNT CONVERTER | WET LENS | OPTICAL PERFORMANCE

MACRO — FOUR THIRDS

Olympus M.Zuiko Digital ED 30mm f3.5 Macro
- **36135** N85 Macro Port 45 → **83250** M67 to Bayonet Mount Converter II *(included in all MWL-1 packaging)* → **86201** MWL - 1 → Lens FOV 39°, Converted FOV 150°

Olympus M.Zuiko Digital ED 60mm f2.8 Macro — **36149** O60-F
- **36163** N85 Macro Port 65
  - SMC/CMC Option 1 - M67 Thread: **81228** M67 Spacer Ring for SMC/CMC *(included in all SMC/CMC packaging)*
  - SMC/CMC Option 2 - Bayonet Mount: **83250 + 83214** M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC
    - **81301** CMC - 1 → Max. Magnification 2.0X, Working Distance 22-70mm
    - **81302** CMC - 2 → Max. Magnification 1.7X, Working Distance 33-122mm
    - **81203** SMC-3 → Max. Magnification 1.6X, Working Distance 30-93mm
    - **81501** MFO-1 → Max. Magnification 1.1X, Working Distance 58-1120mm
    - **81503** MFO-3 → Max. Magnification 0.5X, Working Distance 0-1500mm, Lens FOV 20°, Converted FOV 33°
- **36620** N85 Extension Ring 20 → **36135** N85 Macro Port 45 → **83250** M67 to Bayonet Mount Converter II → **87301** EMWL Set #1 → Lens FOV 20°, Converted FOV 60°/100°/130°/160°

Panasonic Lumix G Macro 30mm f/2.8 Asph. Mega O.I.S.
- **36135** N85 Macro Port 45 → **83250** M67 to Bayonet Mount Converter II *(included in all MWL-1 packaging)* → **86201** MWL - 1 → Lens FOV 39°, Converted FOV 150°

Panasonic LEICA DG MACRO-ELMARIT 45mm F2.8 ASPH. MEGA O.I.S. — **36145** P45-F
- **36135** N85 Macro Port 45
  - SMC/CMC Option 1 - M67 Thread: **81228** M67 Spacer Ring for SMC/CMC *(included in all SMC/CMC packaging)*
  - SMC/CMC Option 2 - Bayonet Mount: **83250 + 83214** M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC
    - **81301** CMC - 1 → Max. Magnification 1.6X, Working Distance 17-73mm
    - **81302** CMC - 2 → Max. Magnification 1.4X, Working Distance 23-124mm
    - **81203** SMC - 3 → Max. Magnification 1.5X, Working Distance 20-101mm
    - **81501** MFO-1 → Max. Magnification 1.1X, Working Distance 37-1120mm
    - **81503** MFO-3 → Max. Magnification 0.4X, Working Distance 0-1500mm, Lens FOV 27°, Converted FOV 45°
  - **83250** M67 to Bayonet Mount Converter II → **87303** EMWL Set #3 → Lens FOV 20°, Converted FOV 60°/100°/130°/160°

TELEPHOTO MACRO — FOUR THIRDS

OM System M.Zuiko Digital ED 90mm f/3.5 Macro IS PRO — **36072** O90-F * Focus Knob is included in packaging
- **36169** N85 Macro Port 120 with Focus Limit Switch Selector * optical performance at Normal Macro mode
  - (no wet lens) → Max. Magnification 1.1X, Working Distance 103mm-∞
  - SMC/CMC Option 1 - M67 Thread: **81228** M67 Spacer Ring for SMC/CMC *(included in all SMC/CMC packaging)*
    - **81501** MFO-1 → Max. Magnification 1.2X, Working Distance 66-1105mm
    - **81503** MFO-3 → Max. Magnification 0.7X, Working Distance 0-1480mm, Lens FOV 14°, Converted FOV 23°
  - SMC/CMC Option 2 - Bayonet Mount: **83250 + 83214** M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC
    - **81203** SMC - 3 → Max. Magnification 1.8X, Working Distance 32-100mm
    - **81302** CMC - 2 → Max. Magnification 1.4X, Working Distance 50-120mm
    - **81301** CMC - 1 → Max. Magnification 1.6X, Working Distance 40-68mm

OM System M.Zuiko Digital ED 90mm f/3.5 Macro IS PRO — **36072** O90-F * Focus Knob is included in packaging
- **36169** N85 Macro Port 120 with Focus Limit Switch Selector * optical performance at S-Macro mode
  - (no wet lens) → Max. Magnification 2.2X, Working Distance 73-500mm
  - SMC/CMC Option 1 - M67 Thread: **81228** M67 Spacer Ring for SMC/CMC *(included in all SMC/CMC packaging)*
    - **81501** MFO-1 → Max. Magnification 2.1X, Working Distance 39-300mm
  - SMC/CMC Option 2 - Bayonet Mount: **83250 + 83214** M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC
    - **81203** SMC - 3 → Max. Magnification 2.9X, Working Distance 20-74mm
    - **81302** CMC - 2 → Max. Magnification 1.9X, Working Distance 30-86mm
    - **81301** CMC - 1 → Max. Magnification 2.2X, Working Distance 20-52mm

OM System M.Zuiko Digital ED 90mm f/3.5 Macro IS PRO with M.Zuiko Digital MC-20 2.0x Teleconverter — **36072** O90-F * Focus Knob is included in packaging
- **36626** N85 Extension Ring 26 → **36169** N85 Macro Port 120 with Focus Limit Switch Selector
  - Max. Magnification 2.2X, Working Distance 103mm-∞ * optical performance at Normal Macro mode
  - Max. Magnification 4.3X, Working Distance 73-500mm * optical performance at S-Macro mode

OM System M.Zuiko Digital ED 90mm f/3.5 Macro IS PRO with M.Zuiko Digital MC-14 1.4x Teleconverter
- **36617** N85 Extention Ring 17 → **36169** N85 Macro Port 120 with Focus Limit Switch Selector * manual focus is not supported
  - Max. Magnification 1.5X, Working Distance 103mm-∞ * optical performance at Normal Macro mode
  - Max. Magnification 2.9X, Working Distance 73-500mm * optical performance at S-Macro mode

STANDARD ZOOM — FOUR THIRDS

Olympus M.ZUIKO DIGITAL ED 12-40mm f/2.8 PRO
- **36045** O1240-Z
  - **36129** N85 7" Acrylic Dome Port
  - **36052** N85 to N120 47mm Port Adaptor with Zoom Knob * SN297188 onwards for NA-EM1X
    - * **85206** N120/N100 WACP - 1B → Lens FOV 75-45°, Converted FOV 130-68°, Zoom Range 14-26mm
    - **21120 / 22120** N120 Extension Ring 20 I / II → * **18809** 180mm Optical Glass Wide Angle Port
- **36045 + 36065** O1240-Z + O1240-F
  - **36401** N85 to N120 55mm Port Adaptor with Lens Control Knob * SN393297 onwards for NA-EM1X * This setup is only compatible with 36401 SN:A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851
    - * **85206** N120/N100 WACP - 1B → Lens FOV 75-38°, Converted FOV 130-57°, Zoom Range 14-32mm
    - **18809** 180mm Optical Glass Wide Angle Port

Olympus M.ZUIKO DIGITAL ED 12-45mm f/4 PRO
- **36069** O1245-Z
  - **36129** N85 7" Acrylic Dome Port
  - **36630** N85 Extension Ring 30 → **36135** N85 Macro Port 45
    - SMC/CMC Option 1 - M67 Thread: **81228** M67 Spacer Ring for SMC/CMC *(included in all SMC/CMC packaging)* → **81301** CMC - 1 → Max. Magnification 0.7X, Working Distance 24-74mm
    - SMC/CMC Option 2 - Bayonet Mount: **83250 + 83214** M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC → **81302** CMC - 2 → Max. Magnification 0.5X, Working Distance 39-130mm
  - **36401** N85 to N120 55mm Port Adaptor with Lens Control Knob * SN393297 onwards for NA-EM1X * This setup is only compatible with with 36401 SN:A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851 → * **18809** 180mm Optical Glass Wide Angle Port
- **36069 + 36070** O1240-Z + O1240-F
  - **36052** N85 to N120 47mm Port Adaptor with Zoom Knob * SN297188 onwards for NA-EM1X → **18809** 180mm Optical Glass Wide Angle Port

Olympus M.Zuiko Digital ED 12-50mm f/3.5-6.3 EZ
- **36137** N85 4" Acrylic Wide Angle Port
- **36147** O1250-Z → **36161** N85 Macro Port with M77 Thread * 36167 Gear Set for NA-OM1
  - **83251** M77 to Bayonet Mount Converter II
    - **86201** MWL - 1 → Lens FOV 39-34°, Converted FOV 150-71°, Zoom Range 30-50mm
    - * **83203** WWL-C → Lens FOV 72-24°, Converted FOV 110-37°, Zoom Range 14-50mm
  - **83251 + 83214** M77 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC
    - **81301** CMC - 1 → Max. Magnification 0.8X, Working Distance 14-61mm
    - **81302** CMC - 2 → Max. Magnification 0.7X, Working Distance 24-95mm

Olympus M.Zuiko Digital 14-42mm f/3.5-5.6 II R — **36143** O1442-Z
- **36137** N85 4" Acrylic Wide Angle Port
- **36136** N85 Macro Port 56
  - SMC/CMC Option 1 - M67 Thread: **81228** M67 Spacer Ring for SMC/CMC *(included in all SMC/CMC packaging)* → **81301** CMC - 1 → Max. Magnification 0.8X, Working Distance 41-76mm
  - SMC/CMC Option 2 - Bayonet Mount: **83250 + 83214** M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC → **81302** CMC - 2 → Max. Magnification 0.6X, Working Distance 63-130mm
  - **83250** M67 to Bayonet Mount Converter II → **83202** WWL - 1B → Lens FOV 75-29°, Converted FOV 130-50°

Olympus M.Zuiko Digital 14-42mm f/3.5-5.6 EZ — **36047** O1442EZ-Z
- **36165** N85 Power Zoom Macro Port 29
  - **83250** M67 to Bayonet Mount Converter II → **83202** WWL - 1B → Lens FOV 75-29°, Converted FOV 130-50°
  - SMC/CMC Option 1 - M67 Thread: **81228** M67 Spacer Ring for SMC/CMC *(included in all SMC/CMC packaging)* → **81301** CMC - 1 → Max. Magnification 0.8X, Working Distance 41-76mm
  - SMC/CMC Option 2 - Bayonet Mount: **83250 + 83214** M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC → **81302** CMC - 2 → Max. Magnification 0.6X, Working Distance 63-130mm

Panasonic LUMIX G VARIO 12-32mm F3.5-5.6 ASPH. MEGA O.I.S. — **36046** P1232-Z
- **36165** N85 Power Zoom Macro Port 29 → **83250** M67 to Bayonet Mount Converter II
  - **83202** WWL - 1B → Lens FOV 75-37°, Converted FOV 130-64°, Zoom Range 13-32mm
  - * **83203** WWL-C → Lens FOV 84-37°, Converted FOV 130-57°

Panasonic LUMIX G X Vario 12-35mm F2.8 I/ II ASPH. POWER O.I.S.
- **36148** P1235-Z
  - **36133** N85 6" Acrylic Wide Angle Port
  - **36164** N85 6" Acrylic Wide Angle Port with Focus Knob
- **36148 + 36042** P1235-Z + P1235-F → **36052** N85 to N120 47mm Port Adaptor with Zoom Knob * SN297188 onwards for NA-EM1X
  - * **85206** N120/N100 WACP - 1B → Lens FOV 75-40°, Converted FOV 130-69°, Zoom Range 14-30mm
  - **21120 / 22120** N120 Extension Ring 20 I / II → * **18809** 180mm Optical Glass Wide Angle Port

Panasonic LEICA DG VARIO-ELMARIT 12-60mm F2.8-4.0 ASPH. POWER O.I.S. — **36058** PL1260-Z → **36129** N85 7" Acrylic Dome Port

Panasonic LUMIX G Vario 14-42mm F3.5-5.6 ASPH. MEGA O.I.S. — **36141** P1442-Z → **36137** N85 4" Acrylic Wide Angle Port

Panasonic LUMIX G Vario 14-42mm F3.5-5.6 II ASPH. MEGA O.I.S. — **36057** P1442II-Z
- **36139** N85 Flat Port 35
  - SMC/CMC Option 1 - M67 Thread: **81228** M67 Spacer Ring for SMC/CMC *(included in all SMC/CMC packaging)* → **81301** CMC - 1 → Max. Magnification 0.7X, Working Distance 49-72mm
  - SMC/CMC Option 2 - Bayonet Mount: **83250 + 83214** M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC → **81302** CMC - 2 → Max. Magnification 0.6X, Working Distance 77-122mm
  - **83250** M67 to Bayonet Mount Converter II → **83202** WWL - 1B → Lens FOV 75-29°, Converted FOV 130-50°

Panasonic LUMIX G Vario PZ 14-42mm F3.5-5.6 ASPH. POWER O.I.S. — **36061** P1442X-PZ * SN353928 onwards only
- **36165** N85 Power Zoom Macro Port 29
  - SMC/CMC Option 1 - M67 Thread: **81228** M67 Spacer Ring for SMC/CMC *(included in all SMC/CMC packaging)* → **81301** CMC - 1 → Max. Magnification 0.7X, Working Distance 49-72mm
  - SMC/CMC Option 2 - Bayonet Mount: **83250 + 83214** M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC → **81302** CMC - 2 → Max. Magnification 0.6X, Working Distance 77-122mm
  - **83250** M67 to Bayonet Mount Converter II → **83202** WWL - 1B → Lens FOV 75-29°, Converted FOV 130-50°

Panasonic LUMIX G Vario 14-45mm F3.5-5.6 ASPH. MEGA O.I.S. — **36053** P1445-Z → **36137** N85 4" Acrylic Wide Angle Port

WIDE ANGLE — FOUR THIRDS

Olympus M.ZUIKO DIGITAL ED 7-14mm f/2.8 PRO — **36054 + 36055** O714-Z + O714-F
- **36401** N85 to N120 55mm Port Adaptor with Lens Control Knob * SN393297 onwards for NA-EM1X * This setup is only compatible with with 36401 SN:A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851 → **18809** 180mm Optical Glass Wide Angle Port * slight vignetting at 7mm when shooting RAW on GH5S

Olympus M.ZUIKO DIGITAL ED 8-25mm f4 PRO — **36071** O825-Z
- **36401** N85 to N120 55mm Port Adaptor with Lens Control Knob * SN393297 onwards for NA-EM1X * This setup is only compatible with with 36401 SN:A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851
  - **21140 / 22140** N120 Extension Ring 40 I / II → **18809** 180mm Optical Glass Wide Angle Port
  - **21120 / 22120** N120 Extension Ring 20 I / II → * **85206** N120/N100 WACP - 1B → Lens FOV 75-47°, Converted FOV 130-81°, Zoom Range 14-25mm

Olympus M.ZUIKO DIGITAL ED 9-18mm f/4-5.6 — **36143** O918-Z
- **36137** N85 4" Acrylic Wide Angle Port
- **36052** N85 to N120 47mm Port Adaptor with Zoom Knob * SN297188 onwards for NA-EM1X → **21120 / 22120** N120 Extension Ring 20 I / II → * **18809** 180mm Optical Glass Wide Angle Port
- **36401** N85 to N120 55mm Port Adaptor with Lens Control Knob * SN393297 onwards for NA-EM1X * This setup is only compatible with with 36401 SN:A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851 → * **18809** 180mm Optical Glass Wide Angle Port

Olympus M.ZUIKO DIGITAL ED 12mm f/2.0
- **36132** N85 4.33" Acrylic Fisheye Dome Port * this setup is not compatible with NA-EM1X
- **36620** N85 Extension Ring 20 → * **36048** N85 140mm Optical Glass Fisheye Port
- **36168** N85 Pancake Port 24 * This setup is only compatible with 36168 SN from A579559 to A579561 → **83250** M67 to Bayonet Mount Converter II → **83203** WWL-C → Lens FOV 84°, Converted FOV 130°
- **36168** N85 Pancake Port 24 * This setup is only compatible with 36168 SN:A617926 onwards → **83203** WWL-C

Panasonic LUMIX G Vario 7-14mm F4.0 ASPH.
- **36044** P714-Z
  - **36133** N85 6" Acrylic Wide Angle Port
  - **36164** N85 6" Acrylic Wide Angle Port with Focus Knob
- **36044 + 36043** P714-Z + P714-F → **36052** N85 to N120 47mm Port Adaptor with Zoom Knob * SN297188 onwards for NA-EM1X → * **18809** 180mm Optical Glass Wide Angle Port * slight vignetting at 7mm when shooting RAW on GH5S

Panasonic LEICA DG VARIO-ELMARIT 8-18mm F2.8-4.0 ASPH.
- **36062** PL818-Z → **36129** N85 7" Acrylic Dome Port
- **36062 + 36063** PL818-Z + PL818-F → **36401** N85 to N120 55mm Port Adaptor with Lens Control Knob * SN393297 onwards for NA-EM1X * This setup is only compatible with with 36401 SN:A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851 → **21120 / 22120** N120 Extension Ring 20 I / II → * **18809** 180mm Optical Glass Wide Angle Port

FISHEYE — FOUR THIRDS

Olympus M.Zuiko Digital ED 8mm f/1.8 Fisheye PRO — **36056** O8-F
- **36617** N85 Extension Ring 17 → * **36048** N85 140mm Optical Glass Fisheye Port
- **36620** N85 Extension Ring 20 → **36132** N85 4.33" Acrylic Fisheye Dome Port

Panasonic LUMIX G FISHEYE 8mm F3.5 — **36041** P8-F
- * **36048** N85 140mm Optical Glass Fisheye Port * slightly vignetting in 4:3 aspect ratio
- **36132** N85 4.33" Acrylic Fisheye Dome Port

Max. Magnification is the maximum ratio that a subject can be reproduced on a camera's image sensor (APS-C - 22.3 x 15mm, Full Frame - 36 x 24mm) at the closest working distance.

Working distance operates from the distance between the subject and the front element of the close-up lens.

* (blue) Recommended Nauticam underwater optics based on best underwater optical performance

* (black) Recommended Port System

Last Updated : 2026-05-15

** This port chart is subject to updating as new information becomes available*