



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
Olympus M.Zuiko Digital ED 30mm F3.5 Macro				36135 N85 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all RAW-1 packaging)</i>	86201 MWL-1	Lens FOV Converted FOV 39° 150°
Olympus M.Zuiko Digital ED 60mm F2.8 Macro	36149 O60-F			36163 N85 Macro Port 65	81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC-1	Max. Magnification Working Distance 2.0X 22-70mm
					81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81302 CMC-2	Max. Magnification Working Distance 1.7X 33-122mm
					81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81203 SMC-3	Max. Magnification Working Distance 1.6X 30-93mm
					SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 MFC-1	Max. Magnification Working Distance 1.1X 58-1120mm
			36620 N85 Extension Ring 20	36135 N85 Macro Port 45	83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV Converted FOV 20° 60°/100°/130°/160°
Panasonic Lumix G Macro 30mm F2.8 ASPH. Mega O.I.S.				36135 N85 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all RAW-1 packaging)</i>	86201 MWL-1	Lens FOV Converted FOV 39° 150°
Panasonic LEICA DG MACRO-ELMARIT 45mm F2.8 ASPH. MEGA O.I.S.	36145 P45-F			36135 N85 Macro Port 45	81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC-1	Max. Magnification Working Distance 1.6X 17-73mm
					81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81302 CMC-2	Max. Magnification Working Distance 1.4X 23-124mm
					81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81203 SMC-3	Max. Magnification Working Distance 1.5X 20-101mm
					SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 MFC-1	Max. Magnification Working Distance 1.1X 37-1120mm
					83250 M67 to Bayonet Mount Converter II	87M30 EMWL Set #3	Lens FOV Converted FOV 20° 60°/100°/130°/160°
Loowa 24mm f/14.2X Macro Probe <i>* with Metalboxes T Speed Booster Ultra 0.71X Adapter on NA-GHS housing</i>	19155 N120 DSLR Gear Set	36064 N85 to N120 34.7mm Port Adaptor	22170 + 22171 N120 Extension Ring 70 II + Focus Knob	16336 N120 Port Adaptor for Loowa 24mm f/14.2X Macro Probe			
OM System M.Zuiko Digital ED 90mm F3.5 Macro IS PRO	36072 O90-F <i>* Focus Knob is included in packaging</i>			36169 N85 Macro Port 120 with Focus Limit Switch Selector <i>* optical performance at Normal Macro mode</i>	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC-1	Max. Magnification Working Distance 1.1X 103mm-∞
					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 Working Distance 1.9X 37-123mm
OM System M.Zuiko Digital ED 90mm F2.8 Macro IS PRO	36072 O90-F <i>* Focus Knob is included in packaging</i>			36169 N85 Macro Port 120 with Focus Limit Switch Selector <i>* optical performance at S-Macro mode</i>	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC-1	Max. Magnification Working Distance 2.2X 73-500mm
					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 Working Distance 3.5X 25-87mm
OM System M.Zuiko Digital ED 90mm F2.8 Macro IS PRO with M.Zuiko Digital MC-20 2.0x Teleconverter	36072 O90-F <i>* Focus Knob is included in packaging</i>		36626 N85 Extension Ring 26	36169 N85 Macro Port 120 with Focus Limit Switch Selector <i>* manual focus is not supported</i>			Max. Magnification Working Distance 2.2X 103mm-∞ <i>* optical performance at Normal Macro mode</i>
OM System M.Zuiko Digital ED 90mm F2.8 Macro IS PRO with M.Zuiko Digital MC-14 1.4x Teleconverter	36072 O90-F <i>* Focus Knob is included in packaging</i>		36617 N85 Extension Ring 17	36169 N85 Macro Port 120 with Focus Limit Switch Selector <i>* manual focus is not supported</i>			Max. Magnification Working Distance 1.5X 103mm-∞ <i>* optical performance at S-Macro mode</i>
Olympus M.ZUIKO DIGITAL ED 12-40mm F2.8 PRO	36045 O1240-Z 36045 + 36065 O1240-Z + O1240-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN39297 onwards for NA-EMTX</i> <i>* This setup is only compatible with 36401 SN-A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851</i>	36652 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EMTX</i>	36129 N85 7° Acrylic Dome Port	85206 N120/N100 WACP-1B 85201 N120 WACP-1		Lens FOV Converted FOV Zoom Range 75-45° 130-68° 14-26mm
Olympus M.ZUIKO DIGITAL ED 12-45mm f/4 PRO	36069 O1245-Z	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN39297 onwards for NA-EMTX</i> <i>* This setup is only compatible with 36401 SN-A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851</i>	36652 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EMTX</i>	36129 N85 7° Acrylic Dome Port	85206 N120/N100 WACP-1B 85201 N120 WACP-1		Lens FOV Converted FOV Zoom Range 75-38° 130-57° 14-32mm
Olympus M.ZUIKO DIGITAL ED 12-50mm f/3.5-6.3 PRO	36069 O1245-Z	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN39297 onwards for NA-EMTX</i> <i>* This setup is only compatible with 36401 SN-A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851</i>	36652 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EMTX</i>	36129 N85 7° Acrylic Dome Port	85206 N120/N100 WACP-1B 85201 N120 WACP-1		Lens FOV Converted FOV Zoom Range 75-45° 130-58° 14-39mm
Olympus M.Zuiko Digital 14-42mm F3.5-5.6 EZ	36147 O1250-Z <i>* 36039 O1250-Z for NA-GHS & NA-EMTX</i>			36137 N85 4° Acrylic Wide Angle Port	83251 + 83214 M77 to Bayonet Mount Converter II <i>* 36137 Gear Set for NA-EMTX</i>	86201 MWL-1 83203 WWL-C	Lens FOV Converted FOV Zoom Range 39-34° 150-21° 30-50mm 83203 WWL-C Lens FOV Converted FOV Zoom Range 72-24° 110-37° 14-50mm
Olympus M.Zuiko Digital 14-42mm F3.5-5.6 II R	36143 O1442-Z			36137 N85 4° Acrylic Wide Angle Port	83251 + 83214 M77 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC-1	Max. Magnification Working Distance 0.8X 14-61mm
					83251 + 83214 M77 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81302 CMC-2	Max. Magnification Working Distance 0.7X 24-95mm
Panasonic LUMIX G VARIO 12-35mm F2.8 II ASPH. POWER O.I.S.	36046 P1232-Z			36136 N85 Macro Port 56	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC-1	Max. Magnification Working Distance 0.8X 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 Working Distance 0.6X 63-130mm
					83250 M67 to Bayonet Mount Converter II	83202 WWL-1B	Lens FOV Converted FOV 75-29° 130-50°
Panasonic LUMIX G X Vario 12-42mm F2.8 II ASPH. POWER O.I.S.	36148 P1232-Z 36148 + 36042 P1232-Z + P1235-F	36064 N85 to N120 34.7mm Port Adaptor <i>* these setups are not compatible with NA-EMTX</i> <i>* This setup is only compatible with 36064 SN-A427960 onwards, older version 36064 can be upgraded using lock mechanism 95851</i>	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EMTX</i>	36133 N85 6° Acrylic Wide Angle Port	85206 N120/N100 WACP-1B 85201 N120 WACP-1		Lens FOV Converted FOV Zoom Range 75-29° 130-90° 14-22mm
Panasonic LEICA DG VARIO-ELMARIT 12-40mm F2.8-4.0 ASPH. POWER O.I.S.	36058 PL1260-Z			36133 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 P1429-Z			36139 N85 Flat Port 35	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC-1	Max. Magnification Working Distance 0.7X 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 Working Distance 0.6X 77-122mm
					83250 M67 to Bayonet Mount Converter II	83202 WWL-1B	Lens FOV Converted FOV 75-29° 130-50°
Panasonic LUMIX G Vario PZ 14-42mm F3.5-5.6 ASPH. POWER O.I.S.	36061 P1442Z-PZ <i>* SN329528 onwards only</i>			36165 N85 Power Zoom Macro Port 29	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC-1	Max. Magnification Working Distance 0.7X 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 Working Distance 0.6X 77-122mm
					83250 M67 to Bayonet Mount Converter II	83202 WWL-1B	Lens FOV Converted FOV 75-29° 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			
Olympus M.ZUIKO DIGITAL ED 7-14mm F2.8 PRO	36054 + 36055 O714-F + O714-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN39297 onwards for NA-EMTX</i> <i>* This setup is only compatible with 36401 SN-A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851</i>		18809 180mm Optical Glass Wide Angle Port <i>* slight vignetting at 7mm when shooting RAW on GH5S</i>			
Olympus M.ZUIKO DIGITAL ED 8-25mm F4 PRO	36071 O825-Z	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN39297 onwards for NA-EMTX</i> <i>* This setup is only compatible with 36401 SN-A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851</i>	22140 N120 Extension Ring 40 II 22120 N120 Extension Ring 20 II	18809 180mm Optical Glass Wide Angle Port 85206 N120/N100 WACP-1B 85201 N120 WACP-1			Lens FOV Converted FOV Zoom Range 75-47° 130-81° 14-25mm
		36064 N85 to N120 34.7mm Port Adaptor <i>* This setup is only compatible with 36064 SN-A427960 onwards, older version 36064 can be upgraded using lock mechanism 95851</i>	22160 N120 Extension Ring 60 II 22140 N120 Extension Ring 40 II <i>* these setups are not compatible with NA-EMTX</i>	18809 180mm Optical Glass Wide Angle Port 85206 N120/N100 WACP-1B 85201 N120 WACP-1			Lens FOV Converted FOV Zoom Range 75-47° 130-81° 14-25mm
Olympus M.ZUIKO DIGITAL ED 9-18mm F4-5.6	36143 O918-C	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EMTX</i>	22120 N120 Extension Ring 20 II	36137 N85 4° Acrylic Wide Angle Port 18809 180mm Optical Glass Wide Angle Port			
Olympus M.ZUIKO DIGITAL ED 12mm F2.0		36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN39297 onwards for NA-EMTX</i> <i>* This setup is only compatible with 36401 SN-A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851</i>	36620 N85 Extension Ring 20	36132 N85 4.33° Acrylic Fisheye Dome Port <i>* this setup is not compatible with NA-EMTX</i>	36048 N85 140mm Optical Glass Fisheye Port		
Panasonic LUMIX G Vario 7-14mm F4.0 ASPH.	36044 P714-Z 36044 + 36043 P714-Z + P714-F	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EMTX</i>		36133 N85 5° Acrylic Wide Angle Port 36144 N85 6° Acrylic Wide Angle Port with Focus Knob 18809 180mm Optical Glass Wide Angle Port <i>* slight vignetting at 7mm when shooting RAW on GH5S</i>			
Panasonic LEICA DG VARIO-ELMARIT 8-18mm F2.8-4.0 ASPH.	36062 + 36063 PL818-Z + PL818-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN39297 onwards for NA-EMTX</i> <i>* This setup is only compatible with 36401 SN-A427960 onwards, older version 36401 can be upgraded using lock mechanism 95851</i>	22120 N120 Extension Ring 20 II	18809 180mm Optical Glass Wide Angle Port			
Olympus M.Zuiko Digital ED 8mm F1.8 Fisheye PRO	36056 P8-F			36048 N85 140mm Optical Glass Fisheye Port			
Panasonic LUMIX G FISHEYE 8mm F3.5	36041 P8-F			36048 N85 140mm Optical Glass Fisheye Port <i>* slight vignetting in 4.3 aspect ratio</i>			
				36132 N85 4.33° Acrylic Fisheye Dome Port			
Canon EF-mount Lenses with Metalboxes T Speed Booster Ultra 0.71X Adapter		36064 N85 to N120 34.7mm Port Adaptor <i>* This setup is only compatible with 36064 SN-A427960 onwards, older version 36064 can be upgraded using lock mechanism 95851</i>		N120 Canon EF-Mount Port System <i>* this setup is not compatible with NA-EMTX</i>			

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.

* Recommended Nauticam underwater optics based on best underwater optical performance

* Recommended Port System

Last Updated : 2024-12-04

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