



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 <i>(included in all MWO-1 packaging)</i>	86201 MWL-1	Lens FOV Converted FOV	39° 180°
	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 <i>(included in all SMC/CMC packaging)</i>	81301 CMC-1	Max. Magnification Working Distance	2.0X 22-70mm
						83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81302 CMC-2	Max. Magnification Working Distance	1.7X 23-122mm
							81203 SMC-3	Max. Magnification Working Distance	1.6X 30-93mm
MACRO FOUR THIRDS	Panasonic Lumix G Macro 30mm f2.8 ASPH. Mega O.I.S.			36620 N85 Extension Ring 20	36135 N85 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWO-1 packaging)</i>	87001 MFO-1	Max. Magnification Working Distance	1.1X 27-1120mm
							87303 EMWL Set #1	Lens FOV Converted FOV	20° 60°/100°/130°/160°
	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 <i>(included in all SMC/CMC packaging)</i>	81301 CMC-1	Max. Magnification Working Distance	1.6X 17-73mm
						83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81302 CMC-2	Max. Magnification Working Distance	1.4X 23-124mm
TELEPHOTO MACRO FOUR THIRDS	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>	81501 MFO-1	Max. Magnification Working Distance	1.2X 66-1105mm
						83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81203 CMC-3	Max. Magnification Working Distance	1.8X 20-100mm
							81302 CMC-2	Max. Magnification Working Distance	1.4X 50-120mm
							81301 CMC-1	Max. Magnification Working Distance	1.6X 40-68mm
TELEPHOTO MACRO FOUR THIRDS	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 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>	81501 MFO-1	Max. Magnification Working Distance	2.1X 39-300mm
						83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81203 CMC-3	Max. Magnification Working Distance	2.9X 20-74mm
							81302 CMC-2	Max. Magnification Working Distance	1.9X 30-86mm
							81301 CMC-1	Max. Magnification Working Distance	2.2X 20-52mm
TELEPHOTO MACRO FOUR THIRDS	OM System M.Zuiko Digital ED 90mm f3.5 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			Max. Magnification Working Distance	2.2X 103mm-∞
								<i>* optical performance at Normal Macro mode</i>	
								Max. Magnification Working Distance	4.3X 73-500mm
								<i>* optical performance at S-Macro mode</i>	
TELEPHOTO MACRO FOUR THIRDS	OM System M.Zuiko Digital ED 90mm f3.5 Macro IS PRO with M.Zuiko Digital MC-14 1.4x Teleconverter			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 Normal Macro mode</i>	
								Max. Magnification Working Distance	2.9X 73-500mm
								<i>* optical performance at S-Macro mode</i>	
STANDARD ZOOM FOUR THIRDS	Olympus M.ZUIKO DIGITAL ED 12-40mm f2.8 PRO	36045 O120-Z			36129 N85 7° Acrylic Dome Port			Lens FOV Converted FOV Zoom Range	75-45° 130-68° 14-26mm
			36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	22120 N120 Extension Ring 20 II		* 85206 N120/N100 WACP-1B			
		36045 + 36065 O1240-Z + O1240-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i> <i>* This setup is only compatible with 36401 SNA427960 onwards, older version 36401 can be upgraded using lock mechanism 95851</i>			* 85206 N120/N100 WACP-1B		Lens FOV Converted FOV Zoom Range	75-38° 130-67° 14-32mm
						18809 180mm Optical Glass Wide Angle Port			
STANDARD ZOOM FOUR THIRDS	Olympus M.ZUIKO DIGITAL ED 12-45mm f4 PRO	36069 O1245-Z		36620 + 36620 N85 Extension Ring 20 + N85 Extension Ring 20	36139 N85 Macro 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 24-74mm
			36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i> <i>* This setup is only compatible with 36401 SNA427960 onwards, older version 36401 can be upgraded using lock mechanism 95851</i>			83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81302 CMC-2	Max. Magnification Working Distance	0.5X 39-130mm
			36064 N85 to N120 34.7mm Port Adaptor <i>* these setups are not compatible with NA-EM1X</i> <i>* This setup is only compatible with 36064 SNA429817 onwards, older version 36064 can be upgraded using lock mechanism 95851</i>			* 85206 N120/N100 WACP-1B		Lens FOV Converted FOV Zoom Range	75-45° 130-68° 14-29mm
		36069 + 36070 O1240-Z + O1240-F	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>		18809 180mm Optical Glass Wide Angle Port				
STANDARD ZOOM FOUR THIRDS	Olympus M.Zuiko Digital ED 12-50mm f3.5-5.6 EZ				36137 N85 4° Acrylic Wide Angle Port				
		36147 O1250-Z			36161 N85 Macro Port with M77 Thread <i>* 36167 Gear Set for NA-GM1</i>	83251 M77 to Bayonet Mount Converter II	86201 MWL-1	Lens FOV Converted FOV Zoom Range	39-34° 150-71° 30-50mm
						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
							81302 CMC-2	Max. Magnification Working Distance	0.7X 24-95mm
STANDARD ZOOM FOUR THIRDS	Olympus M.Zuiko Digital 14-42mm f3.5-5.6 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 <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°
STANDARD ZOOM FOUR THIRDS	Olympus M.Zuiko Digital 14-42mm f3.5-5.6 EZ	36047 O1442E-Z			36165 N85 Power Zoom Macro Port 29	83250 M67 to Bayonet Mount Converter II	83202 WWL-1B	Lens FOV Converted FOV	75-29° 130-50°
						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
STANDARD ZOOM FOUR THIRDS	Panasonic LUMIX G VARIO 12-35mm F2.8 I ASPH. MEGA O.I.S.	36046 P1235-Z			36165 N85 Power Zoom Macro Port 29	83250 M67 to Bayonet Mount Converter II	83202 WWL-1B	Lens FOV Converted FOV Zoom Range	75-37° 130-64° 13-32mm
							* 83203 WWL-C	Lens FOV Converted FOV	84-37° 130-67°
	Panasonic LUMIX G X Vario 12-35mm F2.8 II ASPH. POWER O.I.S.	36148 P1235-Z + P1235-F	36064 N85 to N120 34.7mm Port Adaptor <i>* these setups are not compatible with NA-EM1X</i> <i>* This setup is only compatible with 36064 SNA429817 onwards, older version 36064 can be upgraded using lock mechanism 95851</i>		36164 N85 6° Acrylic Wide Angle Port with Focus Knob			Lens FOV Converted FOV Zoom Range	75-52° 130-60° 14-22mm
			36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	22120 N120 Extension Ring 20 II		* 85206 N120/N100 WACP-1B		Lens FOV Converted FOV Zoom Range	75-40° 130-64° 14-30mm
STANDARD ZOOM FOUR THIRDS	Panasonic LEICA DG VARIO-ELMARIT 12-60mm F2.8-4.0 ASPH. POWER O.I.S.	36059 P1260-Z			36129 N85 7° Acrylic Dome Port				
	Asph. 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 P1442B-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 77-123mm
STANDARD ZOOM FOUR THIRDS	Panasonic LUMIX G Vario PZ 14-42mm F3.5-5.6 ASPH. POWER O.I.S.	36061 P1442B-Z2 <i>* SN353928 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 77-123mm
						83250 M67 to Bayonet Mount Converter II	83202 WWL-1B	Lens FOV Converted FOV	75-29° 130-50°
STANDARD ZOOM FOUR THIRDS	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				
STANDARD ZOOM FOUR THIRDS	Olympus M.ZUIKO DIGITAL ED 7-14mm f2.8 PRO	36054 + 36055 O714-Z + O714-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i> <i>* This setup is only compatible with 36401 SNA427960 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 GHSS</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>* SN393297 onwards for NA-EM1X</i> <i>* This setup is only compatible with 36401 SNA427960 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			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 SNA429817 onwards, older version 36064 can be upgraded using lock mechanism 95851</i>	22160 N120 Extension Ring 60 II 22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port * 85206 N120/N100 WACP-1B			Lens FOV Converted FOV Zoom Range	75-47° 130-81° 14-25mm
			36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i> <i>* This setup is only compatible with 36401 SNA427960 onwards, older version 36401 can be upgraded using lock mechanism 95851</i>						
STANDARD ZOOM FOUR THIRDS	Olympus M.ZUIKO DIGITAL ED 9-18mm f4-5.6	36143 O918-Z			36137 N85 4° Acrylic Wide Angle Port				
			36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	22120 N120 Extension Ring 20 II		* 18809 180mm Optical Glass Wide Angle Port			
STANDARD ZOOM FOUR THIRDS	Olympus M.ZUIKO DIGITAL ED 12mm f2.0				36132 N85 4.33° Acrylic Fisheye Dome Port <i>* this setup is not compatible with NA-EM1X</i>				
				36620 N85 Extension Ring 20		* 36048 N85 140mm Optical Glass Fisheye Port			
					36168 N85 Pancake Port 24 <i>* This setup is only compatible with 36168 SNA617925 onwards</i>	83250 M67 to Bayonet Mount Converter II	83203 WWL-C	Lens FOV Converted FOV	84° 130°
STANDARD ZOOM FOUR THIRDS	Panasonic LUMIX G Vario 7-14mm F4.0 ASPH.	36044 P714-Z			36133 N85 6° Acrylic Wide Angle Port				
		36044 + 36043 P714-Z + P714-F			36164 N85 6° Acrylic Wide Angle Port with Focus Knob				
			36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>						
STANDARD ZOOM FOUR THIRDS	Panasonic LEICA DG VARIO-ELMARIT 8-18mm F2.8-4.0 ASPH.	36062 PL818-Z + PL818-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i> <i>* This setup is only compatible with 36401 SNA427960 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				
FISHEYE FOUR THIRDS	Olympus M.Zuiko Digital ED 8mm f1.8 Fisheye PRO	36096 O8F		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 P8F			* 36048 N85 140mm Optical Glass Fisheye Port <i>* slightly vignetting in 4-3 aspect ratio</i>				
					36132 N85 4.33° Acrylic Fisheye Dome Port				
CANON EF-MOUNT	Canon EF-mount Lenses with Metabones T Speed Booster Ultra 0.71X Adapter		36064 N85 to N120 34.7mm Port Adaptor <i>* This setup is only compatible with 36064 SNA429817 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-EM1X</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 : 2025-6-20

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