



N120 CINEMA PORT SYSTEM FOR EF & RF-MOUNT CAMERA SYSTEM (RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
MACRO APS-C	Canon EF-S 60mm f/2.8 Macro USM	19521 C60-F		18704 Macro Port 41	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81302 CMC - 2 On APS-C Sensor	Max. Magnification 1.6X Working Distance 38-120mm	
						81201 SMC - 1 On APS-C Sensor	Max. Magnification 1.6X Working Distance 28-94mm	
					SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81302 CMC - 2 On APS-C Sensor	Max. Magnification 1.6X Working Distance 38-120mm	
						81201 SMC - 1 On APS-C Sensor	Max. Magnification 1.6X Working Distance 28-94mm	
MACRO FULL FRAME	Canon EF 100mm f/2.8L Macro IS USM	19523 C100IS-F		18703 Macro Port 94	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81201 SMC - 1 On APS-C Sensor	Max. Magnification 2.1X Working Distance 45-95mm	
						81202 SMC - 2 On APS-C Sensor	Max. Magnification 3.4X Working Distance 23-39mm	
					SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1 On APS-C Sensor	Max. Magnification 2.1X Working Distance 45-95mm	
						81202 SMC - 2 On APS-C Sensor	Max. Magnification 3.4X Working Distance 23-39mm	
		Canon RF 100mm f/2.8L Macro IS USM	19575 CRF100-F * please contact us if SA control is needed		18703 Macro Port 94	83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2 On Full Frame Sensor	Lens FOV 23.4° Converted FOV 60°/100°/130°
	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)					81201 SMC - 1 On APS-C Sensor	Max. Magnification 2.3X Working Distance 29-80mm	
						81202 SMC - 2 On APS-C Sensor	Max. Magnification 3.3X Working Distance 16-35mm	
						81301 CMC - 1 On APS-C Sensor	Max. Magnification 2.8X Working Distance 18-85mm	
						81302 CMC - 2 On APS-C Sensor	Max. Magnification 2.4X Working Distance 34-121mm	
	SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC					81201 SMC - 1 On APS-C Sensor	Max. Magnification 2.3X Working Distance 29-80mm	
	81202 SMC - 2 On APS-C Sensor	Max. Magnification 3.3X Working Distance 16-35mm						
					81301 CMC - 1 On APS-C Sensor	Max. Magnification 2.8X Working Distance 18-85mm		
					81302 CMC - 2 On APS-C Sensor	Max. Magnification 2.4X Working Distance 34-121mm		
					83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2 On Full Frame Sensor	Lens FOV 24.0° Converted FOV 60°/100°/130°	
						87303 EMWL Set #3 On Full Frame Sensor	Lens FOV 24.0° Converted FOV 60°/100°/130°	
	Laowa 24mm f/14 2X Macro Probe	16335 Laowa24 Gear Set	21170 Extension Ring 70 with Lock	16336 N120 Port Adaptor for Laowa 24mm f/14 2X Macro Probe				

* This setup is not compatible with Extension Rings SN:A201966 before 09/2016

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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 CINEMA PORT SYSTEM FOR EF & RF-MOUNT CAMERA SYSTEM (RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)

	CAMERA LENS	GEAR	EXTENSION RING	PORT		OPTICAL PERFORMANCE
STANDARD ZOOM APS-C	Canon EF-S 18-55mm f/3.5-5.6 IS STM	16330 RC1855STM Gear Set	21125 Extension Ring 25 with Lock	85201 WACP - 1	On APS-C Sensor	Lens FOV 71-29° Converted FOV 123-50° Zoom Range 20-55mm
	Sigma 17-70mm F2.8-4 DC Macro OS HSM C	16331 RSC1770OSC Gear Set	21140 Extension Ring 40 with Lock	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II		
	Sigma 18-35mm F1.8 DC HSM A	16326 RSC1835f1.8 Gear Set	21180 Extension Ring 80 with Lock	* 85202 WACP-1 for Sigma 18-35mm F1.8 18802 8.5" Acrylic Dome Port 18809 180mm Optical Glass Wide Angle Port * 18812 230mm Optical Glass Wide Angle Port II	On APS-C Sensor	Lens FOV 71-46° Converted FOV 123-79.5° Zoom Range 20-35mm
			21130 + 21135 Extension Ring 30 with Lock + 35 21150 + 21150 Extension Ring 50 with Lock + 50	85201 WACP - 1 18815 250mm Optical Glass Wide Angle Port II	On APS-C Sensor	Lens FOV 71-46° Converted FOV 123-79.5° Zoom Range 20-35mm
STANDARD ZOOM FULL FRAME	Canon EF 24-70mm f/2.8L II USM	16313 + 16314 RC2470II-Z + RC2470II-F	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II		
	Canon EF 24-105mm f/4L IS USM	16337 RC24105 Gear Set	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port * 18809 180mm Optical Glass Wide Angle Port 18812 230mm Optical Glass Wide Angle Port II		
	Canon EF 28-70mm f/3.5-4.5 II	16334 RC2870II Gear Set	21125 Extension Ring 25 with Lock	85201 WACP - 1	On APS-C Sensor On Full Frame Sensor	Lens FOV 52-22° Converted FOV 90-38° Lens FOV 75-34° Converted FOV 130-59°
WIDE ANGLE APS-C	Canon EF-S 10-18mm f/4.5-5.6 IS STM	16340 RC1018 Gear Set		85204 WACP - 2	On APS-C Sensor	Lens FOV 108-75° Converted FOV 128-85°
	Canon EF-S 10-22mm f/3.5-4.5 IS USM *Please refer to the following page for more setup options	16303 + 16304 RC1022-Z + RC1022-F	21110 Extension Ring 10 with Screws 21120 Extension Ring 20 with Lock	85204 WACP - 2 23211 8.5" white balance acrylic dome port	On APS-C Sensor	Lens FOV 108-63° Converted FOV 128-72°

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* Secondary setup recommendation based on optical performance



N120 CINEMA PORT SYSTEM FOR EF & RF-MOUNT CAMERA SYSTEM (RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
WIDE ANGLE APS-C	Canon EF-S 10-22mm f/3.5-4.5 IS USM	16303 + 16304 RC1022-Z + RC1022-F	21160 Extension Ring 60 with Lock	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II	
	Sigma 8-16mm F4.5-5.6 DC HSM	16305 + 16306 RSC816-Z + RSC816-F	21140 Extension Ring 40 with Lock 21150 Extension Ring 50 with Lock	18809 180mm Optical Glass Wide Angle Port 18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II	
	Sigma 12-24mm F24 DG HSM Art	16327 RSC1224A Gear Set	21150 Extension Ring 50 with Lock 21160 Extension Ring 60 with Lock	18815 250mm Optical Glass Wide Angle Port II * 18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A213191 before 09/2016 * This setup is not compatible with Extension Rings SN:A201966 before 09/2016
	Tokina AT-X 11-20mm F2.8 PRO DX	16328 RTC1120 Gear Set	21120 Extension Ring 20 with Lock 21160 Extension Ring 60 with Lock	* 85204 WACP - 2 18802 8.5" Acrylic Dome Port 18809 180mm Optical Glass Wide Angle Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II	On APS-C Sensor Lens FOV Converted FOV 100-68° 118-78°
	Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	16309 + 16310 RSC1116-Z + RSC1116-F	21110 Extension Ring 10 with Screws 21160 Extension Ring 60 with Lock	* 85204 WACP - 2 18802 8.5" Acrylic Dome Port 18809 180mm Optical Glass Wide Angle Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II	On APS-C Sensor Lens FOV Converted FOV 110-81° 118-92°

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N120 CINEMA PORT SYSTEM FOR EF & RF-MOUNT CAMERA SYSTEM (RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE	
WIDE ANGLE FULL FRAME	Canon EF 11-24mm f/4L USM	16315 + 16316 RC1124-Z + RC1124-F	21150 Extension Ring 50 with Lock	* 18815 250mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A201966 before 09/2016	
			21170 Extension Ring 70 with Lock	18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A201966 before 09/2016	
			21271 Extension Ring 70 with Focus Knob	18812 230mm Optical Glass Wide Angle Port II		
	Canon RF 14-35mm f/4L IS USM	16342 CR1435 Gear Set	21155 Extension Ring 55 with Lock	18802 8.5" Acrylic Dome Port	<div style="border: 1px solid black; width: 100%; height: 100%;"></div>	On APS-C Sensor Lens FOV 89-42° Converted FOV 104-48° On Full Frame Sensor Lens FOV 114-63° Converted FOV 140-72°
				* 18812 230mm Optical Glass Wide Angle Port II		
			18815 250mm Optical Glass Wide Angle Port II			
			21140 Extension Ring 40 with Lock	18809 180mm Optical Glass Wide Angle Port		
	21110 Extension Ring 10	* 85204 WACP - 2				
	Canon RF 15-35mm f/2.8L IS USM	16341 CR1535 Gear Set	21135 Extension Ring 35 with Lock	* 85204 WACP - 2	<div style="border: 1px solid black; width: 100%; height: 100%;"></div>	On APS-C Sensor Lens FOV 84-42° Converted FOV 98-48° On Full Frame Sensor Lens FOV 110-63° Converted FOV 133-72°
				21170 Extension Ring 70 with Lock		
			18809 180mm Optical Glass Wide Angle Port			
			21180 Extension Ring 80 with Lock	* 18812 230mm Optical Glass Wide Angle Port II		
	18815 250mm Optical Glass Wide Angle Port II					
	Canon EF 16-35mm f/2.8 II USM	16311 + 16312 RC1635II-Z + RC1635II-F	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port	<div style="border: 1px solid black; width: 100%; height: 100%;"></div>	On APS-C Sensor Lens FOV 84-44° Converted FOV 98-51° On Full Frame Sensor Lens FOV 107-63° Converted FOV 128-72°
				18809 180mm Optical Glass Wide Angle Port		
			21180 Extension Ring 80 with Lock	* 18812 230mm Optical Glass Wide Angle Port II		
18815 250mm Optical Glass Wide Angle Port II						
21130 Extension Ring 30 with Lock	* 85204 WACP - 2					

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N120 CINEMA PORT SYSTEM FOR EF & RF-MOUNT CAMERA SYSTEM (RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE	
WIDE ANGLE FULL FRAME	Canon EF 16-35mm f/2.8 III USM	16325 RC1635III Gear Set	21150 Extension Ring 50 with Lock	* 85204 WACP - 2	On APS-C Sensor	Lens FOV 84-44° Converted FOV 98-51°
					On Full Frame Sensor	Lens FOV 107-63° Converted FOV 128-72°
			21170 Extension Ring 70 with Lock	85201 WACP - 1	On APS-C Sensor	Lens FOV 71-45° Converted FOV 123-78° Zoom Range 20-35mm
					On Full Frame Sensor	Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
			21180 Extension Ring 80 with Lock	18809 180mm Optical Glass Wide Angle Port		
					21190 Extension Ring 90 with Lock	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II
	Canon EF 16-35mm f/4L IS USM	16317 + 16318 RC1635f4-Z + RC1635f4-F	21130 Extension Ring 30 with Lock	* 85204 WACP - 2		
					On Full Frame Sensor	Lens FOV 107-63° Converted FOV 128-72°
			21160 Extension Ring 60 with Lock	85201 WACP - 1	On APS-C Sensor	Lens FOV 71-45° Converted FOV 123-78° Zoom Range 20-35mm
					On Full Frame Sensor	Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
			21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port 18809 180mm Optical Glass Wide Angle Port		
					21180 Extension Ring 80 with Lock	* 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II
ZEISS Distagon T* 15mm f/2.8 ZM	16319 ZC15-F	21155 Extension Ring 55 with Lock	18812 230mm Optical Glass Wide Angle Port II			
ZEISS Milvus 18mm f/2.8 ZM	16329 ZMC-F	21150 Extension Ring 50 with Lock	18809 180mm Optical Glass Wide Angle Port * 18812 230mm Optical Glass Wide Angle Port II			
ZEISS Milvus 21mm f/2.8 ZE	16329 ZMC-F	21150 Extension Ring 50 with Lock	18809 180mm Optical Glass Wide Angle Port * 18812 230mm Optical Glass Wide Angle Port II			

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N120 CINEMA PORT SYSTEM FOR EF & RF-MOUNT CAMERA SYSTEM (RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)

	CAMERA LENS	GEAR	EXTENSION RING	PORT
FISHEYE APS-C	Tokina AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5	19529	21110 Extension Ring 10 with Screws	18804 4.33" Acrylic Dome Port for Tokina 10-17mm
		TC1017-Z		* 18810 140mm Optical Glass Fisheye Port
	Tokina AT-X 107 AF DX Fisheye AF with Kenko 1.4x Teleplus Pro 300 DGX	19529 TC1017-Z + 1.4X	21120 Extension Ring 20 with Lock	18802 8.5" Acrylic Dome Port
			21130 Extension Ring 30 with Lock	18812 230mm Optical Glass Wide Angle Port II
FISHEYE FULL FRAME	Canon EF 8-15mm f/4L Fisheye USM	19537 C815-Z	21120 Extension Ring 20 with Lock	18804 4.33" Acrylic Dome Port for Tokina 10-17mm
			21140 Extension Ring 40 with Lock	* 18810 140mm Optical Glass Fisheye Port
	Canon EF 8-15mm f/4L Fisheye USM with Kenko 1.4x Teleplus Pro 300 DGX	19537 + 19541 C815-Z + C815-F	21130 Extension Ring 30 with Lock	18802 8.5" Acrylic Dome Port
			21150 Extension Ring 50 with Lock	18812 230mm Optical Glass Wide Angle Port II
Canon EF 8-15mm f/4L Fisheye USM with Kenko 1.4x Teleplus Pro 300 DGX	19538 C815-Z + 1.4X	21150 Extension Ring 50 with Lock	18811 140mm Optical Glass Fisheye Port with Removable Shade	
			18812 230mm Optical Glass Wide Angle Port II	
Canon EF 8-15mm f/4L Fisheye USM with Kenko 1.4x Teleplus Pro 300 DGX	19538 C815-Z + 1.4X	21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port	
			* 18811 140mm Optical Glass Fisheye Port with Removable Shade	
Canon EF 8-15mm f/4L Fisheye USM with Kenko 1.4x Teleplus Pro 300 DGX	19538 C815-Z + 1.4X	21150 Extension Ring 50 with Lock	18812 230mm Optical Glass Wide Angle Port II	
			18812 230mm Optical Glass Wide Angle Port II	



N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM (DX & FX Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO DX	Nikon AF-S DX Micro NIKKOR 40mm f/2.8G DX	19152 N40G-F			18705 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 39° Converted FOV 150° Working Distance 40mm
	Nikon AF-S DX Micro NIKKOR 85mm f/3.5G ED VR	19129 N85VR-F	18211 Compact Port Base		18305 Compact Port 30 with M67 Thread	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.5X Working Distance 51-96mm
							81202 SMC - 2	Max. Magnification 3.9X Working Distance 23-37mm
							81302 CMC - 2	Max. Magnification 2.1X Working Distance 57-125mm
							81201 SMC - 1	Max. Magnification 2.5X Working Distance 51-96mm
				21120 Extension Ring 20 with Lock	18701 Macro Port 60	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.5X Working Distance 51-96mm
							81202 SMC - 2	Max. Magnification 3.9X Working Distance 23-37mm
							81302 CMC - 2	Max. Magnification 2.1X Working Distance 57-125mm
							81201 SMC - 1	Max. Magnification 2.5X Working Distance 51-96mm
							81202 SMC - 2	Max. Magnification 3.9X Working Distance 23-37mm
81302 CMC - 2							Max. Magnification 2.1X Working Distance 57-125mm	
MACRO FX	Nikon AF Micro-NIKKOR 60mm f/2.8D		18211 Compact Port Base		18301 Compact Port 30			
	Nikon AF-S Micro NIKKOR 60mm f/2.8G ED	19121 N60G-F			18701 Macro Port 60	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 1.4X Working Distance 4-73mm
							81302 CMC - 2	Max. Magnification 1.2X Working Distance 11-123mm
							81201 SMC - 1	Max. Magnification 1.1X Working Distance 1-92mm
							81301 CMC - 1	Max. Magnification 1.4X Working Distance 4-73mm
							81302 CMC - 2	Max. Magnification 1.2X Working Distance 11-123mm
							81201 SMC - 1	Max. Magnification 1.1X Working Distance 1-92mm
						83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 39° Converted FOV 150° Working Distance 40mm

*Please refer to the following page for more setup options

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N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM (DX & FX Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
MACRO FX	Nikon AF-S Micro NIKKOR 60mm f-2.8G ED	19121 N60G-F	18211 Compact Port Base		18305 Compact Port 30 with M67 Thread	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 1.4X Working Distance 4-73mm	
							81302 CMC - 2	Max. Magnification 1.2X Working Distance 11-123mm	
							81201 SMC - 1	Max. Magnification 1.1X Working Distance 1-92mm	
							81301 CMC - 1	Max. Magnification 1.4X Working Distance 4-73mm	
							81302 CMC - 2	Max. Magnification 1.2X Working Distance 11-123mm	
							81201 SMC - 1	Max. Magnification 1.1X Working Distance 1-92mm	
	Nikon AF-S Micro NIKKOR 60mm f-2.8G ED with HOYA +4 Diopter <i>* This setup can only be use on DX sensor camera</i>	19121 N60G-F				18701 Macro Port 60	83250 M67 to Bayonet Mount Converter II	87303 EMWL Set #3	On DX Sensor Lens FOV 26.5° Converted FOV 60°/100°/130°
	Nikon AF Micro 105mm f/2.8D			18211 Compact Port Base	18520 Compact Port Extension 20	18302 Compact Port 50			
					18540 Compact Port Extension 40	18301 Compact Port 30			
	Nikon AF-S VR Micro-NIKKOR 105mm f/2.8G IF-ED	19122 N105VR-F			21130 Extension Ring 30 with Lock	18701 Macro Port 60	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.5X Working Distance 53-95mm
								81202 SMC - 2	Max. Magnification 4.2X Working Distance 24-38mm
81201 SMC - 1								Max. Magnification 2.5X Working Distance 53-95mm	
81202 SMC - 2								Max. Magnification 4.2X Working Distance 24-38mm	
81201 SMC - 1								Max. Magnification 2.5X Working Distance 53-95mm	
81202 SMC - 2								Max. Magnification 4.2X Working Distance 24-38mm	
18702 Macro Port 87						SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.5X Working Distance 53-95mm	
							81202 SMC - 2	Max. Magnification 4.2X Working Distance 24-38mm	
							81201 SMC - 1	Max. Magnification 2.5X Working Distance 53-95mm	
							81202 SMC - 2	Max. Magnification 4.2X Working Distance 24-38mm	
							83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV 23.3° Converted FOV 60°/100°/130°
18211 Compact Port Base			18306 Compact Port 50 with M67 Thread		SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.5X Working Distance 53-95mm		
						81202 SMC - 2	Max. Magnification 4.2X Working Distance 24-38mm		
						81201 SMC - 1	Max. Magnification 2.5X Working Distance 53-95mm		
						81202 SMC - 2	Max. Magnification 4.2X Working Distance 24-38mm		
						81201 SMC - 1	Max. Magnification 2.5X Working Distance 53-95mm		
						81202 SMC - 2	Max. Magnification 4.2X Working Distance 24-38mm		

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N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM (DX & FX Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO FX	Sigma 50mm F2.8 EX DG Macro		18211 Compact Port Base	18520 Compact Port Extension 20	18303 Compact Port 15			
	Sigma 70mm F2.8 EX DG Macro		18211 Compact Port Base	18550 Compact Port Extension 50	18301 Compact Port 30			
			18211 Compact Port Base	18530 Compact Port Extension 30	18302 Compact Port 50			
	Sigma 150mm F2.8 EX DG OS HSM Macro				21135 Extension Ring 35 with Lock	18701 Macro Port 60	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Max. Magnification 2.3X Working Distance 46-93mm
		19147 SN105-F		21130 Extension Ring 30 with Lock	18701 Macro Port 60	83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2	Lens FOV 23° Converted FOV 60°/100°/130°
	Laowa 24mm f/14 2X Macro Probe	19155 Laowa24 Gear Set		21271 Extension Ring 70 with Focus Knob	16336 N120 Port Adaptor for Laowa 24mm f/14 2X Macro Probe			
STANDARD ZOOM DX	Nikon AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR	19123 N1855VR-Z	18211 Compact Port Base		18301 Compact Port 30			
	Nikon AF-S DX NIKKOR 18-55mm f/3.5-5.6G ED II	19124 N1855II-Z	18211 Compact Port Base		18301 Compact Port 30			
	Nikon AF-S DX Micro NIKKOR 18-55mm f/3.5-5.6G VR II	19144 N1855VRII-Z		21135 Extension Ring 35 with Lock	85201 WACP - 1			Lens FOV 76-29° Converted FOV 130-50°
			18211 Compact Port Base		18304 Compact Port 15 with M67 Thread	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 40-29° Converted FOV 150-109° Working Distance 40-55mm
	Sigma 17-70mm F2.8-4.5 DC Macro HSM	19132 SN1770-Z		21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port			
	Sigma 17-70mm F2.8-4 DC Macro OS HSM	19133 SN1770OS-Z		21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port			
	Sigma 17-70mm F2.8-4 DC Macro OS HSM C	19140 SN1770OSC-Z		21140 Extension Ring 40 with Lock	18802 8.5" Acrylic Dome Port			
Sigma 18-35mm F1.8 DC HSM A	19146 SN1835f1.8-Z		21180 Extension Ring 80 with Lock	18802 8.5" Acrylic Dome Port				
				18809 180mm Optical Glass Wide Angle Port				
				* 18812 230mm Optical Glass Wide Angle Port II				
			21150 + 21150 Extension Ring 50 with Lock + 50	18815 250mm Optical Glass Wide Angle Port II				

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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM (DX & FX Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE	
STANDARD ZOOM FX	Nikon AF-S NIKKOR 24-85mm f/3.5-4.5G ED VR	19139 N2485-Z	21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port		
	Nikon AF-S Nikkor 28mm f/1.8 G		21120 N120 Extension Ring 20 with Lock	85201 WACP - 1	Lens FOV 75° Converted FOV 130°	
	Nikon AF Nikkor 28mm f/2.8D			85201 WACP - 1	Lens FOV 75° Converted FOV 130°	
	Nikon AF Nikkor 28-70mm f/3.5-4.5D	19148 N2870f3.5D-Z	21135 Extension Ring 35 with Lock	85201 WACP - 1	Lens FOV 75-34° Converted FOV 130-59°	
WIDE ANGLE DX	Nikon AF-S DX NIKKOR 10-24mm f/3.5-4.5G ED	19135 N1024-Z	21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port		
	Nikon AF-S DX NIKKOR 12-24mm f/4G IF-ED	19125 N1224-Z	21160 Extension Ring 60 with Lock	18802 8.5" Acrylic Dome Port		
	Sigma 8-16mm F4.5-5.6 DC HSM	19136 SN816-Z	21140 Extension Ring 30 with Lock	18809 180mm Optical Glass Wide Angle Port		
				21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port	
				* 18812 230mm Optical Glass Wide Angle Port II		
	Sigma 10-20mm F4-5.6 EX DC HSM	19126 SN1020-Z	21140 Extension Ring 30 with Lock	18809 180mm Optical Glass Wide Angle Port		
				21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port	
				* 18812 230mm Optical Glass Wide Angle Port II		
	Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	19128 TN1116-Z	21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port		
				18809 180mm Optical Glass Wide Angle Port		
				* 18812 230mm Optical Glass Wide Angle Port II		
	Tokina AT-X 124 AF PRO DX AF 12-24mm f/4	19134 TN1224-Z	21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port		
18809 180mm Optical Glass Wide Angle Port						
* 18812 230mm Optical Glass Wide Angle Port II						

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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM (DX & FX Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE		
WIDE ANGLE FX	Nikon AF-S NIKKOR 14-24mm f/2.8G ED	19131 N1424-Z	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port			
			21180 Extension Ring 80 with Lock	* 18812 230mm Optical Glass Wide Angle Port II			
				18815 250mm Optical Glass Wide Angle Port II			
	Nikon AF-S NIKKOR 16-35mm f/4G ED VR	19138 N1635-Z	21150 Extension Ring 50 with Lock	* 85204 WACP - 2		Lens FOV	105-63°
			21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port		Converted FOV	128-72°
				85201 WACP - 1	On DX Sensor	Lens FOV	75-45°
					On Full Frame Sensor	Converted FOV	130-78°
						Zoom Range	18-35mm
						Lens FOV	75-63°
	Nikon AF-S 17-35mm f/2.8D IF-ED	19130 N1735-Z	21180 Extension Ring 80 with Lock	18809 180mm Optical Glass Wide Angle Port		Converted FOV	130-109°
			21190 Extension Ring 90 with Lock	* 18812 230mm Optical Glass Wide Angle Port II		Zoom Range	28-35mm
				18815 250mm Optical Glass Wide Angle Port II			
19138 + 19142 N1635-Z + N1635-F			21240 Extension Ring 40 with Focus Knob	85204 WACP - 2		Lens FOV	105-63°
			21270 Extension Ring 70 with Focus Knob	18802 8.5" Acrylic Dome Port		Converted FOV	128-72°
*Please refer to the following page for more setup options	19130 N1735-Z	21130 Extension Ring 30 with Lock	85204 WACP - 2		Lens FOV	104-63°	
		21150 Extension Ring 50 with Lock	85201 WACP - 1	On DX Sensor	Converted FOV	123-72°	
				On Full Frame Sensor	Lens FOV	75-45°	
					Converted FOV	130-78°	
					Zoom Range	18-35mm	
					Lens FOV	75-63°	
			Converted FOV	130-109°			
			Zoom Range	28-35mm			
	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port					
		* 18812 230mm Optical Glass Wide Angle Port II					
		18815 250mm Optical Glass Wide Angle Port II					
	19130 + 19159 N1735-Z + N1735-F	21235 Extension Ring 30 with Focus Knob	* 85204 WACP - 2		Lens FOV	104-63°	
					Converted FOV	123-72°	

* a spacer is required for this setup which is included in the package



N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM (DX & FX Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
WIDE ANGLE FX	Nikon AF-S 17-35mm f/2.8D IF-ED	19130 + 19159 N1735-Z + N1735-F * spacer is not required	21250 Extension Ring 50 with Focus Knob	85201 WACP - 1	On DX Sensor Lens FOV 75-45° Converted FOV 130-78° Zoom Range 18-35mm
			21170 Extension Ring 70 with Lock		On Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
	Nikon AF-S 18-35mm f/3.5-4.5G ED	19141 N1835-Z	21140 Extension Ring 40 with Lock	85201 WACP - 1	On DX Sensor Lens FOV 77-45° Converted FOV 130-78°
			21160 Extension Ring 60 with Lock		On Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109°
	Sigma 12-24mm F4 DG HSM Art	19149 SN1224A-Z	21150 Extension Ring 50 with Lock	18815 250mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A213191 before 09/2016
			21160 Extension Ring 60 with Lock		* 18812 230mm Optical Glass Wide Angle Port II * This setup is not compatible with Extension Rings SN:A143566 before 09/2016
	Sigma 14-24mm F2.8 DG HSM Art	19153 SN1424A-Z	21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port	* This setup is not compatible with Extension Rings SN:A143566 before 09/2016
			21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A201966 before 09/2016
	Sigma 20mm F4 DG HSM A		21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port	
			21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II	
Zeiss Distagon T* 2.8/15 ZF.2	19145 ZN15-F	21155 Extension Ring 55 with Lock	18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A201966 before 12/2016	

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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM (DX & FX Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	
FISHEYE DX	Nikon AF DX Fisheye 10.5mm f/2.8G ED	19137 N10.5-F	_____	18802 8.5" Acrylic Dome Port	
			_____	* 18810 140mm Optical Glass Fisheye Port	
			_____	18812 230mm Optical Glass Wide Angle Port II	
	Sigma 10mm F2.8 EX DC HSM Fisheye		21110 Extension Ring 10 with Screws	_____	18803 4.33" Acrylic dome port
			21110 Extension Ring 10 with Screws	_____	18802 8.5" Acrylic Dome Port
			_____	18802 8.5" Acrylic Dome Port	
	Tokina AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5	19127 TN1017-Z	_____	18802 8.5" Acrylic Dome Port	
			21110 Extension Ring 10 with Screws	_____	* 18810 140mm Optical Glass Fisheye Port
			21120 Extension Ring 20 with Lock	_____	18802 8.5" Acrylic Dome Port
	Tokina AT-X 107 AF DX Fisheye with Kenko 1.4x Teleplus Pro 300 DGX	19227 TN1017-Z+1.4	21120 Extension Ring 20 with Lock	_____	18804 4.33" Acrylic dome port for Tokina AT-X 107 AF DX Fisheye
21130 Extension Ring 30 with Lock			_____	* 18810 140mm Optical Glass Fisheye Port	
21140 Extension Ring 40 with Lock			_____	18802 8.5" Acrylic Dome Port	
FISHEYE FX	Nikon AF-S Fisheye NIKKOR 8-15mm f/3.5-4.5E ED	19150 N815-Z	21120 Extension Ring 20 with Lock	_____	18802 8.5" Acrylic Dome Port
			_____	_____	* 18811 140mm Optical Glass Fisheye Dome Port with Removable Shade
			_____	_____	18812 230mm Optical Glass Wide Angle Port II
	Nikon AF-S Fisheye 8-15mm f/3.5-4.5E ED with Kenko 1.4x Teleplus Pro 300 DGX	19151 N815-Z+1.4	21130 Extension Ring 30 with Lock	_____	18803 4.33" Acrylic dome port
			21140 Extension Ring 40 with Lock	_____	18802 8.5" Acrylic Dome Port
			_____	_____	* 18811 140mm Optical Glass Fisheye Dome Port with Removable Shade
	Nikon AF-S Fisheye 8-15mm f/3.5-4.5E ED	19151 N815-Z+1.4	21150 Extension Ring 50 with Lock	_____	18812 230mm Optical Glass Wide Angle Port II
			_____	_____	18803 4.33" Acrylic dome port



N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM (DX & FX Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	
FISHEYE FX	Nikon AF Fisheye 16mm f/2.8D			18802 8.5" Acrylic Dome Port	
				* 18810 140mm Optical Glass Fisheye Port	
				18812 230mm Optical Glass Wide Angle Port II	
	Sigma 15mm F2.8 EX DG Diagonal Fisheye	19143 SN15-F			18802 8.5" Acrylic Dome Port
					* 18810 140mm Optical Glass Fisheye Port
					18812 230mm Optical Glass Wide Angle Port II



N120 PORT SYSTEM FOR NIKON Z-MOUNT CAMERA SYSTEM (FX Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
MACRO FX	NIKKOR Z MC 50mm f/2.8 Macro	_____	21110 Extension Ring 10	18706 Macro Port 12	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 1.6X Working Distance 8-64mm	
					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 1.4X Working Distance 16-109mm	
MACRO FX	Nikkor Z MC 105mm f/2.8 VR S Macro	19161 NZ105VR-F	_____	18708 Macro Port 80	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm	
					SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	
					SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm	
					83250 M67 to Bayonet Mount Converter II	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	
					83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2	Lens FOV 23° Converted FOV 60°/100°/130°	
					SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm	
MACRO FX	Nikkor Z MC 105mm f/2.8 VR S Macro	19161 NZ105VR-F	21120 Extension Ring 20 with Lock	18701 Macro port 60	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm	
					SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	
					SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm	
					83250 M67 to Bayonet Mount Converter II	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	
					83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2	Lens FOV 23° Converted FOV 60°/100°/130°	
					SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm	
STANDARD ZOOM FX	Nikkor Z 24-70mm f/2.8 S Lens	19157 NZ2470f2.8S-Z	21125 Extension Ring 25 with Lock	* 85204 WACP - 2	_____	_____	Lens FOV 84-46° Converted FOV 98-56° Zoom Range 24-50mm	
					21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port	_____	_____
					_____	* 18809 180mm Optical Glass Wide Angle Port	_____	_____
STANDARD ZOOM FX	Nikkor Z 24-70mm f/2.8 S Lens	19157 NZ2470f2.8S-Z	21170 Extension Ring 70 with Lock	_____	18812 230mm Optical Glass Wide Angle Port II	_____	_____	
					_____	_____	_____	

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR NIKON Z-MOUNT CAMERA SYSTEM (FX & Full Frame Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
STANDARD ZOOM FX	Nikkor Z 24-70mm f/4 S Lens	19154 NZ2470-Z	21120 Extension Ring 20 with Lock 21140 Extension Ring 40 with Lock	* 85201 WACP - 1 18802 8.5" Acrylic Dome Port * 18809 180mm Optical Glass Wide Angle Port 18812 230mm Optical Glass Wide Angle Port II			Lens FOV 75-70° Converted FOV 130-121° Zoom Range 28-32mm
	Nikkor Z 14-24mm f/2.8 S	19160 NZ1424-Z	21110 Extension Ring 10 with Screws 21140 Extension Ring 40 with Lock 21155 Extension Ring 55 with Lock	* 85204 WACP - 2 18809 180mm Optical Glass Wide Angle Port 18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II			Lens FOV 114-87° Converted FOV 140-98°
	Nikkor Z 14-30mm f/4 S	19156 NZ1430-Z	21150 Extension Ring 50 with Lock	* 85204 WACP - 2 18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II			Lens FOV 114-72° Converted FOV 140-81°
WIDE ANGLE FX	Nikkor Z 35mm f1.8 S		21110 Extension Ring 10	85201 WACP - 1 18706 Macro Port 12	83250 M67 to Bayonet Mount Converter II	83201 WWL - 1 83202 WWL - 1B	Lens FOV 63° Converted FOV 110° Lens FOV 63° Converted FOV 110° Lens FOV 63° Converted FOV 110°
	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS with Techart PRO Autofocus Adaptor	19158 NE2870-Z	21120 Extension Ring 20 with Lock	85201 WACP - 1			Lens FOV 75-34° Converted FOV 130-59°
NIKON F-MOUNT	Nikon F-mount Lenses with Nikon Adaptor FTZ			N120 Nikon F-Mount Port System			

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO APS-C	Canon EF-S 60mm f2.8 Macro USM	19521 C60-F	18211 Compact Port Base	18704 Macro Port 41	18704 Macro Port 41	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81302 CMC - 2	Max. Magnification 1.6X Working Distance 38-120mm
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Max. Magnification 1.6X Working Distance 28-94mm
						83250 M67 to Bayonet Mount Converter II	81302 CMC - 2	Max. Magnification 1.6X Working Distance 38-120mm
						81201 SMC - 1	Max. Magnification 1.6X Working Distance 28-94mm	
	18702 Macro Port 87	18702 Macro Port 87	18702 Macro Port 87	18702 Macro Port 87	18702 Macro Port 87	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81302 CMC - 2	Max. Magnification 1.6X Working Distance 38-120mm
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Max. Magnification 1.6X Working Distance 28-94mm
						83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2	Lens FOV 24.5° Converted FOV 60°/100°/130°
						81201 SMC - 1	Max. Magnification 1.6X Working Distance 28-94mm	
MACRO FULL FRAME	Laowa 24mm f/14 2X Macro Probe	19155 N120 DSLR Gear Set		21271 Extension Ring 70 with Focus Knob	16336 N120 Port Adaptor for Laowa 24mm f/14 2X Macro Probe			
	Canon EF 40mm f2.8 STM <i>* This setup can only be used on APS-C sensor camera</i>				18706 Macro Port 12	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	On APS-C Sensor Lens FOV 37° Converted FOV 135° Working Distance 40mm
	Canon MP-E 65mm f/2.8 1-5x	19539 C65-F	18211 Compact Port Base	18550 Compact Port Extension 50	18306 Compact Port 50 with M67 Thread <i>* magnification 3X</i>			
				18550 + 18530 Compact Port Extension 50 + 30	18306 Compact Port 50 with M67 Thread <i>* magnification 4X</i>			
				18550 + 18530 + 18530 Compact Port Extension 50 + 30 + 30	18306 Compact Port 50 with M67 Thread <i>* magnification 5X</i>			
	Canon EF 100mm f2.8 Macro USM	19522 C100-F	18702 Macro Port 87	18702 Macro Port 87	18702 Macro Port 87	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.6X Working Distance 53-93mm
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81202 SMC - 2	Max. Magnification 4.3X Working Distance 28-38mm
83250 M67 to Bayonet Mount Converter II						87301 EMWL Set #1	Lens FOV 24.0° Converted FOV 60°/100°/130°	
81202 SMC - 2						Max. Magnification 4.3X Working Distance 28-38mm		

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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
MACRO FULL FRAME	Canon EF 100mm f/2.8L Macro IS USM	19523 C100IS-F			18703 Macro Port 94	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-89mm	
							81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-36mm	
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-89mm	
							81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-36mm	
						83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2	Lens FOV 23.4° Converted FOV 60°/100°/130°	
	Canon EF 180mm f/3.5L Macro USM				21160 Extension Ring 60 with Lock	18703 Macro Port 94	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 3.6X Working Distance 63-92mm
							SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Max. Magnification 3.6X Working Distance 63-92mm
	Sigma 50mm F2.8 EX DG Macro			18211 Compact Port Base	18520 Compact Port Extension 20	18303 Compact Port 15			
Sigma 70mm F2.8 EX DG Macro			18211 Compact Port Base	18530 Compact Port Extension 30	18302 Compact Port 50				
			18211 Compact Port Base	18550 Compact Port Extension 50	18301 Compact Port 30				
Sigma 105mm F2.8 EX DG OS HSM Macro	19553 SC105-F			21130 Extension Ring 30 with Lock	18701 Macro Port 60	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.6X Working Distance 50-90mm	
							81202 SMC - 2	Max. Magnification 3.3X Working Distance 31-38mm	
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Max. Magnification 2.6X Working Distance 50-90mm	
							81202 SMC - 2	Max. Magnification 3.3X Working Distance 31-38mm	
					83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV 24.0° Converted FOV 60°/100°/130°		
STANDARD ZOOM APS-C	Canon EF-S 18-55mm f/3.5-5.6 IS	19532 C1855IS-Z	18211 Compact Port Base		18303 Compact Port 15				
	Canon EF-S 18-55mm f/3.5-5.6 IS STM	19547 C1855ISSTM-Z	18211 Compact Port Base		18303 Compact Port 15				
				21130 Extension Ring 30 with Lock	85201 WACP - 1			Lens FOV 75-27.5° Converted FOV 130-46°	
	Canon EF-S 18-135mm f/3.5-5.6 IS	19524 C18135IS-Z		21160 Extension Ring 60 with Lock	18802 8.5" Acrylic Dome Port				
	Sigma 17-70mm F2.8-4.5 DC Macro	19533 SC1770-Z		21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port				
Sigma 17-70mm F2.8-4 DC Macro OS HSM	19534 SC1770OS-Z		21140 Extension Ring 40 with Lock	18802 8.5" Acrylic 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.

* Recommended port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
STANDARD ZOOM APS-C	Sigma 18-35mm F1.8 DC HSM A	19552 SC1835f.18-Z	21180 Extension Ring 80 with Lock	* 85202 WACP-1 for Sigma 18-35mm F1.8			Lens FOV 76.5-44° Converted FOV 132-76°	
				18802 8.5" Acrylic Dome Port				
				* 18809 180mm Optical Glass Wide Angle Port				
				18812 230mm Optical Glass Wide Angle Port II				
			21130 + 21135 Extension Ring 30 with Lock + 35	85201 WACP - 1			Lens FOV 76.5-44° Converted FOV 132-76°	
			21150 + 21150 Extension Ring 50 with Lock + 50	18815 250mm Optical Glass Wide Angle Port II				
STANDARD ZOOM FULL FRAME	Canon EF 24mm f/1.4L II USM		21140 Extension Ring 40 with Lock	18802 8.5" Acrylic Dome Port				
	Canon EF 24-70mm f/2.8L II USM	19543 C2470II-Z	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port				
	Canon EF 24-70mm f/4L IS USM	19544 C2470f4-Z	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port				
	Canon EF 24-105mm f/4L IS USM	19545 C24105-Z	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port				
	Canon EF 24-105mm f/4L IS II USM	19562 C24105II-Z	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port				
				* 18809 180mm Optical Glass Wide Angle Port				
				18812 230mm Optical Glass Wide Angle Port II				
	Canon EF 28mm f/1.8 USM				85201 WACP - 1			Lens FOV 75° Converted FOV 130°
	Canon EF 28mm f/2.8 USM				85201 WACP - 1			Lens FOV 75° Converted FOV 130°
	Canon EF 28-70mm f/3.5-4.5 II	19557 C2870f3.5II-Z	21125 Extension Ring 25 with Lock	85201 WACP - 1				Lens FOV 72-34° Converted FOV 130-59°
	19557 + 19566 C2870f3.5II-Z + C2870f3.5II-F	21130 Extension Ring 30 with Lock	85201 WACP - 1				Lens FOV 72-34° Converted FOV 125-59° Zoom Range 30-70mm	
Canon EF 28-80mm f/3.5-5.6 II	19558 C2880f3.5II-Z	21120 Extension Ring 20 with Lock	18705 Macro Port 45	83250 M67 to Bayonet Mount Converter II (included in all MWL-1 packaging)	86201 MWL - 1		Lens FOV 36-30° Converted FOV 135-113° Working Distance 66-80mm	
		21130 Extension Ring 30 with Lock	85201 WACP - 1				Lens FOV 75-30° Converted FOV 130-54°	

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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
STANDARD ZOOM FULL FRAME	Canon EF 28-80mm f/3.5-5.6 V USM	19559 C2880f3.5V-Z	21120 Extension Ring 20 with Lock	18705 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 37.5-30° Converted FOV 138-93° Working Distance 63-80mm
			21130 Extension Ring 30 with Lock	85201 WACP - 1		Lens FOV 75-31° Converted FOV 130-54°	
	Canon EF 35mm f/2 IS USM			85201 WACP - 1			Lens FOV 63° Converted FOV 109°
WIDE ANGLE APS-C	Canon EF-S 10-18mm f/4.5-5.6 IS STM	19549 C1018-Z		* 85204 WACP - 2			Lens FOV 108-75° Converted FOV 128-85°
			21140 Extension Ring 40 with Lock	18809 180mm Optical Glass Wide Angle Port			
			21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port			
				18809 180mm Optical Glass Wide Angle Port			
				* 18812 230mm Optical Glass Wide Angle Port II			
	Canon EF-S 10-22mm f/3.5-4.5 IS STM	19525 C1022-Z		* 85204 WACP - 2			Lens FOV 108-63° Converted FOV 128-72°
			21110 Extension Ring 10 with Screws	18809 180mm Optical Glass Wide Angle Port			
			21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port			
				18809 180mm Optical Glass Wide Angle Port			
				* 18812 230mm Optical Glass Wide Angle Port II			
Sigma 8-16mm F4.5-5.6 DC HSM	19536 SC816-Z			18809 180mm Optical Glass Wide Angle Port			
		21140 Extension Ring 40 with Lock	18802 8.5" Acrylic Dome Port				
		21150 Extension Ring 50 with Lock	18812 230mm Optical Glass Wide Angle Port II				
			* 18815 250mm Optical Glass Wide Angle Port II				
Sigma 10-20mm F4.5-5.6 EX DC HSM	19535 SC1020-Z			18809 180mm Optical Glass Wide Angle Port			
		21140 Extension Ring 40 with Lock	18802 8.5" Acrylic Dome Port				
		21150 Extension Ring 50 with Lock	18812 230mm Optical Glass Wide Angle Port II				
			* 18815 250mm Optical Glass Wide Angle Port II				

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 port system based on best optical performance

* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE	
WIDE ANGLE APS-C	Tokina AT-X 11-20mm F2.8 PRO DX	19573 CT1120-Z	21120 Extension Ring 20 with Lock	* 85204 WACP - 2	Lens FOV 104-72° Converted FOV 118-78°	
			21160 Extension Ring 60 with Lock	18802 8.5" Acrylic Dome Port		
				18809 180mm Optical Glass Wide Angle Port		
				18812 230mm Optical Glass Wide Angle Port II		
				* 18815 250mm Optical Glass Wide Angle Port II		
	Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	19530 TC1116-Z	21110 Extension Ring 10 with Screws	* 85204 WACP - 2	Lens FOV 110-81° Converted FOV 118-92°	
			21160 Extension Ring 60 with Lock	18802 8.5" Acrylic Dome Port		
				18809 180mm Optical Glass Wide Angle Port		
				18812 230mm Optical Glass Wide Angle Port II		
			* 18815 250mm Optical Glass Wide Angle Port II			
Tokina AT-X 124 AF PRO DX AF 12-24mm f/4	19531 TC1224-Z	21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port	Lens FOV 110-81° Converted FOV 118-92°		
		21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port			
			18812 230mm Optical Glass Wide Angle Port II			
			* 18815 250mm Optical Glass Wide Angle Port II			
WIDE ANGLE FULL FRAME	Canon EF 11-24mm f/4L USM	19550 C1124-Z	21150 Extension Ring 50 with Lock	* 18815 250mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A213191 before 09/2016	
			21170 Extension Ring 70 with Lock	18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A201966 before 09/2016	
			19550 + 19551 C1124-Z + C1124-F	21271 Extension Ring 70 with Focus Knob	18812 230mm Optical Glass Wide Angle Port II	
	Canon EF 16-35mm f/2.8 II USM	19527 C1635II-Z	21130 Extension Ring 30 with Lock	* 85204 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°	
*Please refer to the following page for more setup options						



N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
WIDE ANGLE FULL FRAME	Canon EF 16-35mm f/2.8 II USM	19527 C1635II-Z	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port	Lens FOV 107-63° Converted FOV 128-72°
			21180 Extension Ring 80 with Lock	18809 180mm Optical Glass Wide Angle Port	
				18812 230mm Optical Glass Wide Angle Port II * 18815 250mm Optical Glass Wide Angle Port II	
		19527 + 19542 C1635II-Z + C1635II-F	21230 Extension Ring 30 with Focus Knob	85204 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°
			21270 Extension Ring 70 with Focus Knob	18802 8.5" Acrylic Dome Port	
	Canon EF 16-35mm f/2.8 III USM	19554 C1635III-Z	21150 Extension Ring 50 with Lock	* 85204 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°
			21170 Extension Ring 70 with Lock	85201 WACP - 1	On APS-C Sensor Lens FOV 80-43° Converted FOV 138-74°
			21180 Extension Ring 80 with Lock		On Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
		19554 + 19555 C1635III-Z + C1635III-F	21250 Extension Ring 50 with Focus Knob	85204 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°
			21271 + 21120 Extension Ring 70 with Knob + 20	* 18812 230mm Optical Glass Wide Angle Port II	
Canon EF 16-35mm f/4 IS USM	19548 C1635f4-Z	21130 Extension Ring 30 with Lock	* 85204 WACP - 2	Lens FOV 108-63° Converted FOV 128-72°	
		21160 Extension Ring 60 with Lock	85201 WACP - 1	On APS-C Sensor Lens FOV 80-43° Converted FOV 138-74°	
		21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port	Lens FOV 107-63° Converted FOV 128-72°	
	21180 Extension Ring 80 with Lock		18809 180mm Optical Glass Wide Angle Port		
			* 18812 230mm Optical Glass Wide Angle Port II		
			18815 250mm Optical Glass Wide Angle Port II		
19548 + 19560 C1635f4-Z + C1635f4-F	21271 Extension Ring 70 with Focus Knob	18812 230mm Optical Glass Wide Angle Port II			

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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
WIDE ANGLE FULL FRAME	Canon EF 16-35mm f/4 IS USM	19548 + 19572 C1635f4-Z + WC1635f4-F	21235 Extension Ring 35 with Focus Knob	85204 WACP - 2	Lens FOV 108-63° Converted FOV 128-72°
	Canon EF 17-40mm f/4L USM	19528 C1740-Z	21140 Extension Ring 40 with Lock	* 85201 WACP - 1	On APS-C Sensor Lens FOV 77-37° Converted FOV 133-74°
			21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port	On Full Frame Sensor Lens FOV 75-57.5° Converted FOV 130-100°
			21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port	
			21170 Extension Ring 70 with Lock	18812 230mm Optical Glass Wide Angle Port II * 18815 250mm Optical Glass Wide Angle Port II	
	Sigma 12-24mm F4 DG HSM Art	19556 SC1224A-Z	21150 Extension Ring 50 with Lock	18815 250mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A213191 before 09/2016
			21160 Extension Ring 60 with Lock	* 18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A143566 before 09/2016
	Sigma 14mm F1.8 DG HSM Art	19563 SC14A-F	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A201966 before 09/2016
	Sigma 14-24mm F2.8 DG HSM Art	19564 SC1424A-Z	21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port	* This setup is not compatible with Extension Rings SN:A143566 before 09/2016
			21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A201966 before 09/2016
	Sigma 20mm F1.4 DG HSM A		21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port	
			21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II	

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 port system based on best optical performance

* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	
WIDE ANGLE FULL FRAME	ZEISS Distagon T* 15mm f/2.8 ZM	16319 ZC15-F	21155 Extension Ring 55 with Lock	18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A055053 before 09/2016
	ZEISS Milvus 18mm f/2.8 ZE	16329 ZMC-F	21150 Extension Ring 50 with Lock	18809 180mm Optical Glass Wide Angle Port * 18812 230mm Optical Glass Wide Angle Port II	
	ZEISS Milvus 21mm f/2.8 ZE	16329 ZMC-F	21150 Extension Ring 50 with Lock	18809 180mm Optical Glass Wide Angle Port * 18812 230mm Optical Glass Wide Angle Port II	
FISHEYE APS-C	Sigma 10mm F2.8 EX DC HSM Fisheye		21110 Extension Ring 10 with Screws	18802 8.5" Acrylic Dome Port	
	Tokina AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5	19529 TC1017-Z	21110 Extension Ring 10 with Screws	18804 4.33" Acrylic Dome Port for Tokina 10-17mm * 18810 140mm Optical Glass Fisheye Port	
			21120 Extension Ring 20 with Lock	18802 8.5" Acrylic Dome Port 18812 230mm Optical Glass Wide Angle Port II	
	Tokina AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5 with Kenko TELEPLUS HD pro 1.4x DGX Teleconverter for Canon EF	19629 TC1017-Z + 1.4X	21120 Extension Ring 20 with Lock 21130 Extension Ring 30 with Lock 21140 Extension Ring 40 with Lock	18804 4.33" Acrylic Dome Port for Tokina 10-17mm * 18810 140mm Optical Glass Fisheye Port 18802 8.5" Acrylic Dome Port 18812 230mm Optical Glass Wide Angle Port II	
FISHEYE FULL FRAME	Canon EF 8-15mm f/4L Fisheye USM	19537 C815-Z	21130 Extension Ring 30 with Lock	18802 8.5" Acrylic Dome Port * 18811 140mm Optical Glass Fisheye Port with Removable Shade 18812 230mm Optical Glass Wide Angle Port II	
		19537 + 19541 C815-Z + C815-F	21230 Extension Ring 30 with Focus Knob	18802 8.5" Acrylic Dome Port	



N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	
FISHEYE FULL FRAME	Canon EF 8-15mm f/4L Fisheye USM with Kenko 1.4x Teleplus Pro 300 DGX	19538 C815-Z + 1.4X	21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port	
				* 18811 140mm Optical Glass Fisheye Port with Removable Shade	
				18812 230mm Optical Glass Wide Angle Port II	
	Canon EF 15mm f/2.8 Fisheye		21110 Extension Ring 10 with Screws	18802 8.5" Acrylic Dome Port	
	Sigma 15mm F2.8 EX DG Diagonal Fisheye	19546 SC15-F			18802 8.5" Acrylic Dome Port
					* 18810 140mm Optical Glass Fisheye Port
				18812 230mm Optical Glass Wide Angle Port II	



N120 PORT SYSTEM FOR CANON RF-MOUNT CAMERA SYSTEM (Full Frame Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO FULL FRAME	Canon RF 85mm f/2 Macro IS STM			18701 Macro Port 60	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i> SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Max. Magnification 1.6X Working Distance 60-85mm
	Canon RF 100mm f/2.8L Macro IS USM	19575 + 19576 CRF100-F + SA Control Ring		18703 Macro Port 94	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i> SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC 83250 M67 to Bayonet Mount Converter II	81201 SMC - 1 81202 SMC - 2 81301 CMC - 1 81302 CMC - 2 81201 SMC - 1 81202 SMC - 2 81301 CMC - 1 81302 CMC - 2 87302 EMWL Set #2 87303 EMWL Set #3	Max. Magnification 2.3X Working Distance 29-80mm Max. Magnification 3.3X Working Distance 16-35mm Max. Magnification 2.8X Working Distance 18-85mm Max. Magnification 2.4X Working Distance 34-121mm Max. Magnification 2.3X Working Distance 29-80mm Max. Magnification 3.3X Working Distance 16-35mm Max. Magnification 2.8X Working Distance 18-85mm Max. Magnification 2.4X Working Distance 34-121mm Lens FOV 24.0° Converted FOV 60°/100°/130° Lens FOV 24.0° Converted FOV 60°/100°/130°
	Canon RF 24-70mm f/2.8L IS USM	19567 CR2470-Z	21160 Extension Ring 60 with Lock		18802 8.5" Acrylic Dome Port 18809 180mm Optical Glass Wide Angle Port 18812 230mm Optical Glass Wide Angle Port II * 18815 250mm Optical Glass Wide Angle Port II		
		19567 + 19568 CR2470-Z + CR2470-F	21125 + 21150 Extension Ring 25 with Lock + 50	21110 + 21250 Extension Ring 10 with Screws + 50	18809 180mm Optical Glass Wide Angle Port II		
	Canon RF 24-105mm f/4L IS USM	19565 CR24105-Z	21140 Extension Ring 40 with Lock		18802 8.5" Acrylic Dome Port 18809 180mm Optical Glass Wide Angle Port * 18812 230mm Optical Glass Wide Angle Port II		

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* Recommended port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR CANON RF-MOUNT CAMERA SYSTEM (Full Frame Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
WIDE ANGLE FULL FRAME	Canon RF 14-35mm f/4L IS USM	19574 CR1435-Z	21155 Extension Ring 55 with Lock	18802 8.5" Acrylic Dome Port				
				* 18812 230mm Optical Glass Wide Angle Port II				
				18815 250mm Optical Glass Wide Angle Port II				
				21140 Extension Ring 40 with Lock	18809 180mm Optical Glass Wide Angle Port			
				21110 Extension Ring 10 with Screws	* 85204 WACP - 2			Lens FOV 114-63° Converted FOV 140-72°
	Canon RF 15-35mm f/2.8L IS USM	19569 CR1535-Z	21135 Extension Ring 35 with Lock	21170 Extension Ring 70 with Lock	85204 WACP - 2			Lens FOV 110-63° Converted FOV 133-72°
					18802 8.5" Acrylic Dome Port			
					18809 180mm Optical Glass Wide Angle Port			
					* 18812 230mm Optical Glass Wide Angle Port II			
					18815 250mm Optical Glass Wide Angle Port II			
			21180 Extension Ring 80 with Lock	18812 230mm Optical Glass Wide Angle Port II				
			19569 + 19570 CR1535-Z + CR1535-F	21271 Extension Ring 70 with Focus Knob				
			19569 + 19571 CR1535-Z + WCR1535-F	21235 Extension Ring 35 with Focus Knob	* 85204 WACP - 2		Lens FOV 110-63° Converted FOV 133-72°	
Canon RF 16mm f/2.8 STM				18802 8.5" Acrylic Dome Port				
				18809 180mm Optical Glass Wide Angle Port				
				* 18812 230mm Optical Glass Wide Angle Port II				
Canon RF 35mm f/1.8 IS Macro STM			21110 Extension Ring 10 with Screws	18706 Macro Port 12	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 0.9X Working Distance 20-75mm	
						81302 CMC - 2	Max. Magnification 0.8X Working Distance 24-121mm	
					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 0.9X Working Distance 20-75mm	
						81302 CMC - 2	Max. Magnification 0.8X Working Distance 24-121mm	
					83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 42° Converted FOV 157.5°	
CANON EF-MOUNT	Canon EF-mount Lenses with Canon Mount Adaptor EF-EOS R			N120 Canon EF-Mount Port System				

* These setups are only recommended to use for blackwater photography with slight vignetting on 1.6x (crop) for still photography and with movie cropping option enabled

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 port system based on best optical performance

* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR PANASONIC L-MOUNT CAMERA SYSTEM (Full Frame Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE			
MACRO FULL FRAME	Sigma 105mm F2.8 DG DN Macro Art			18708 Macro Port 80	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.4X Working Distance 46-78mm			
					81202 SMC - 2	Max. Magnification 3.7X Working Distance 23-33mm				
					SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Max. Magnification 2.4X Working Distance 46-78mm			
					81202 SMC - 2	Max. Magnification 3.7X Working Distance 23-33mm				
					83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV 23.3° Converted FOV 60°/100°/130°			
					SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.4X Working Distance 46-78mm			
					81202 SMC - 2	Max. Magnification 3.7X Working Distance 23-33mm				
					SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Max. Magnification 2.4X Working Distance 46-78mm			
81202 SMC - 2	Max. Magnification 3.7X Working Distance 23-33mm									
83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV 23.3° Converted FOV 60°/100°/130°								
STANDARD ZOOM FULL FRAME	Panasonic Lumix S 20-60mm f/3.5-5.6	19731 PL2060-Z	21130 Extension Ring 30 with Lock	18802 8.5" Acrylic Dome Port						
								* 18809 180mm Optical Glass Wide Angle Port		
								18812 230mm Optical Glass Wide Angle Port II		
								18802 8.5" Acrylic Dome Port		
	Panasonic Lumix S PRO 24-70mm f/2.8	19730 PL2470-Z	21170 Extension Ring 30 with Lock	18802 8.5" Acrylic Dome Port						
								* 18809 180mm Optical Glass Wide Angle Port		
								18812 230mm Optical Glass Wide Angle Port II		
								18815 250mm Optical Glass Wide Angle Port II		
								21190 Extension Ring 90 with Lock	18815 250mm Optical Glass Wide Angle Port II	
								21135 Extension Ring 35 with Lock	* 85201 WACP - 1	
	Panasonic Lumix S 24-105mm f/4	19721 PS24105-Z	21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port						Lens FOV 75-65° Converted FOV 130-112° Zoom Range 28-33mm
				* 18809 180mm Optical Glass Wide Angle Port						
18812 230mm Optical Glass Wide Angle Port II										
19721 + 19724 PS24105-Z + PS24105-F	21250 Extension Ring 50 with Focu Knob	18809 180mm Optical Glass Wide Angle Port								

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* Recommended port system based on best optical performance

* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR PANASONIC L-MOUNT CAMERA SYSTEM (Full Frame & EF-Mount with Sigma Mount Converter MC-21 Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
WIDE ANGLE FULL FRAME	Panasonic Lumix S PRO 16-35mm f/4	19728 PL1635-Z		85204 WACP - 2	Lens FOV 105-63° Converted FOV 128-72°
		19728 + 19729 PL1635-Z + PL1635-F	21250 Extension Ring 50 with Focu Knob	18812 230mm Optical Glass Wide Angle Port II	
	Sigma 14-24mm F2.8 DG DN Art	19726 SLE1424-Z	21125 Extension Ring 25 with Lock	85204 WACP - 2	Lens FOV 94-84° Converted FOV 115-98° Zoom Range 20-24mm
			21150 Extension Ring 50 with Lock	18809 180mm Optical Glass Wide Angle Port	
Leica Super-Vario-Elmar-SL 16-35mm f/3.5-4.5 ASPH	19722 LS1635-Z	21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port		
		21170 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II		
		19722 + 19723 LS1635-Z + LS1635-F	21271 Extension Ring 70 with Focu Knob	18812 230mm Optical Glass Wide Angle Port II	
SIGMA EF-MOUNT (with Sigma Mount Converter MC-21) FULL FRAME	Sigma 12-24mm F4 DG HSM Art	19556 SC1224A-Z	21150 Extension Ring 50 with Lock	18815 250mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A213191 before 09/2016
			21160 Extension Ring 60 with Lock	* 18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A143566 before 09/2016
	Sigma 14mm F1.8 DG HSM Art	19563 SC14A-F	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port	* This setup is not compatible with Extension Rings SN:A201966 before 09/2016
				* 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II	
				18809 180mm Optical Glass Wide Angle Port	
	Sigma 14-24mm F2.8 DG HSM Art	19564 SC1424A-Z	21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port	
21170 Extension Ring 50 with Lock			18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II		

Max. Magnification is the maximum ratio that a subject can be reproduced on a camera's image sensor (APSC - 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 port system based on best optical performance

* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR PANASONIC L-MOUNT CAMERA SYSTEM (EF-Mount with Sigma Mount Converter MC-21 Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
SIGMA EF-MOUNT (with Sigma Mount Converter MC-21) FULL FRAME	Sigma 14-24mm F2.8 DG DN Art	19726 SLE1424-Z	21160 Extension Ring 60 with Lock	18802 8.5" Acrylic Dome Port	
				18812 230mm Optical Glass Wide Angle Port II	
		19726 + 19727 SLE1424-Z + SLE1424-F	21250 Extension Ring 50 with Focus Knob	* 18815 250mm Optical Glass Wide Angle Port II	
				18809 180mm Optical Glass Wide Angle Port	
SIGMA EF-MOUNT (with Sigma Mount Converter MC-21) FULL FRAME	Sigma 20mm F1.4 DG HSM Art		21160 Extension Ring 60 with Lock	18812 230mm Optical Glass Wide Angle Port II	
				18809 180mm Optical Glass Wide Angle Port	
			21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port	
				* 18812 230mm Optical Glass Wide Angle Port II	
CANON EF-MOUNT (with Sigma Mount Converter MC-21) FULL FRAME	Canon EF 28-70mm f/3.5-4.5 II with Sigma Mount Converter MC-21	19725 Gear Set for Canon 2870 with MC-21	21230 Extension Ring 30 with Focus Knob	18815 250mm Optical Glass Wide Angle Port II	Lens FOV 72-34° Converted FOV 128-59° Zoom Range 30-70mm
		19557 C2870f3.5II-Z	21125 Extension Ring 25 with Lock	* 18812 230mm Optical Glass Wide Angle Port II	Lens FOV 75-34° Converted FOV 130-59° Zoom Range 28-70mm
	Other Canon EF-mount Lenses with Sigma Mount Converter MC-21			N120 Canon EF-Mount Port System	

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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR FUJIFILM G-MOUNT CAMERA SYSTEM (Medium Format Lens)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO MEDIUM FORMAT	Fujifilm GF 120mm f/4 Macro R LM OIS WR	19823 GF120-F	21160 Extension Ring 60 with Lock	18701 Macro Port 60	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	81201 SMC - 1	Max. Magnification 2.0X Working Distance 65-93mm
	Fujifilm GF 120mm f/4 Macro R LM OIS WR with HOYA +2 Close Up Diopter	19823 GF120-F	21170 Extension Ring 70 with Lock	18701 Macro Port 60	83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2	Lens FOV 25.7° Converted FOV 60°/100°/130°
	Laowa 17mm f/4 GFX Zero-D	19824 + 19825 GL17-A + GL17-F	21235 Extension Ring 35 with Focus Knob	* 85204 WACP - 2			Lens FOV 114° Converted FOV 140°
			21135 + 21140 Extension Ring 35 with Lock + 40	* 18815 250mm Optical Glass Wide Angle Port II			
			21135 + 21150 Extension Ring 35 with Lock + 50	18812 230mm Optical Glass Wide Angle Port II			
STANDARD ZOOM	Fujifilm GF 63mm f/2.8 R WR			18701 Macro Port 60			
WIDE ANGLE MEDIUM FORMAT	Fujifilm GF 23mm F4 R LM WR		21120 Extension Ring 20 with Lock	* 85204 WACP - 2			Lens FOV 100° Converted FOV 118°
			21160 Extension Ring 60 with Lock	18812 230mm Optical Glass Wide Angle Port II * Minimum focus distance from port to subject is 0.38m			
				* 18815 250mm Optical Glass Wide Angle Port II * Minimum focus distance from port to subject is 0.24m			
	Fujifilm GF 32-64mm f/4 R LM WR	19822 GF3264-Z	21140 + 21160 Extension Ring 40 with Lock + 60	18815 250mm Optical Glass Wide Angle Port II * Minimum focus distance from port to subject is 0.50m			
			18805 10" Acrylic Wide Angle Port * Minimum focus distance from port to subject is 0.45m				
Fujifilm GF 45mm f/2.8 R WR				18701 Macro Port 60			
			21130 Extension Ring 30 with Lock	85201 WACP - 1			Lens FOV 63° Converted FOV 109°

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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N120 PORT SYSTEM FOR FUJIFILM G-MOUNT CAMERA SYSTEM (EF-Mount with Metabones EF-GFX Mount Smart Expander 1.26x)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
CANON EF-MOUNT (with Metabones EF-GFX mount Smart Expander 1.26x) FULL FRAME	Canon EF 100mm f/2.8L Macro IS USM	TBD CGF100IS-F	21130 Extension Ring 30 with Lock	18703 Macro Port 94	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81201 SMC - 1	Max. Magnification 2.8X Working Distance 44-93mm	
						81202 SMC - 2	Max. Magnification 4.5X Working Distance 21-37mm	
						81201 SMC - 1	Max. Magnification 2.8X Working Distance 44-93mm	
						81202 SMC - 2	Max. Magnification 4.5X Working Distance 21-37mm	
	Canon EF 28-70mm f/3.5-4.5 II	TBD CGF2870f3.5II-Z	21150 Extension Ring 50 with Lock	85201 WACP - 1				Lens FOV 75-34° Converted FOV 130-59°
					Canon EF 16-35mm f/2.8 III USM	TBD CGF1635III-Z	21180 Extension Ring 80 with Lock	* 85204 WACP - 2
	21190 + 21130 Extension Ring 90 with Lock + 30	18802 8.5" Acrylic Dome Port	* 18812 230mm Optical Glass Wide Angle Port II	18815 250mm Optical Glass Wide Angle Port II				
					Canon EF 16-35mm f/4 IS USM	TBD CGF1635f4-Z	21160 Extension Ring 60 with Lock	* 85204 WACP - 2
	21170 + 21130 Extension Ring 70 with Lock + 30	18802 8.5" Acrylic Dome Port	* 18812 230mm Optical Glass Wide Angle Port II	18815 250mm Optical Glass Wide Angle Port II				
					21180 + 21130 Extension Ring 80 with Lock + 30	* 18812 230mm Optical Glass Wide Angle Port II	18815 250mm Optical Glass Wide Angle Port II	

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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N100 PORT SYSTEM FOR FUJIFILM X-MOUNT CAMERA SYSTEM (APS-C Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO APS-C	Fujifilm XF 60mm f/2.4 R Macro			37401 N100 Extension Ring 30	37127 N100 Flat Port 32			
			36471 N100 to N85 Port Adaptor		36135 N85 Flat Port 45			
	Fujifilm XF 80mm f/2.8 R LM OIS WR Macro	36473 X80-F			37125 N100 Macro Port 110	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 1.7X Working Distance 34-93mm
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81202 SMC - 2	Max. Magnification 2.5X Working Distance 17-36mm
							81201 SMC - 1	Max. Magnification 1.7X Working Distance 34-93mm
							81202 SMC - 2	Max. Magnification 2.5X Working Distance 17-36mm
	Zeiss Touit 50mm f/2.8M			37401 N100 Extension Ring 30	37127 N100 Flat Port 32	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 1.3X Working Distance 17-75mm
							81302 CMC - 2	Max. Magnification 1.0X Working Distance 30-130mm
							81301 CMC - 1	Max. Magnification 1.3X Working Distance 17-75mm
							81302 CMC - 2	Max. Magnification 1.0X Working Distance 30-130mm
			36471 N100 to N85 Port Adaptor	36135 N85 Flat 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 1.3X Working Distance 17-75mm	
						81302 CMC - 2	Magnification Ratio 1.0X Max. Magnification 30-130mm	
						81301 CMC - 1	Max. Magnification 1.3X Working Distance 17-75mm	
						81302 CMC - 2	Max. Magnification 1.0X Working Distance 30-130mm	
						83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 31° Converted FOV 100°
STANDARD ZOOM APS-C	Fujifilm XC 15-45mm f/3.5-5.6 OIS PZ	36476 X1545PZ-Z		36478 N100 Flat Port 40		83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	¹ 83201 WWL - 1	Lens FOV 75-35° Converted FOV 130-60° Zoom Range 18-45mm
							83202 WWL - 1B	Lens FOV 75-35° Converted FOV 130-60° Zoom Range 18-45mm
							83203 WWL - C	Lens FOV 39-35° Converted FOV 150-114° Zoom Range 18-45mm
							86201 MWL - 1	Lens FOV 39-35° Converted FOV 150-114° Working Distance 40-45mm



N100 PORT SYSTEM FOR FUJIFILM X-MOUNT CAMERA SYSTEM (APS-C Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
STANDARD ZOOM APS-C	Fujifilm XF 18-55mm f/2.8-4 R LM OIS	36474 X1855-Z3	37304 N100 to N120 55mm Port Adaptor	37401 N100 Extension Ring 30	* 85203 N100 WACP-1			Lens FOV 75-52° Converted FOV 130-90° Zoom Range 18-30mm
		37403 N100 Extension Ring 50		* 37129 N100 180mm Optical Glass Wide Angle Port				
				18809 180mm Optical Glass Wide Angle Port				
WIDE ANGLE APS-C	Fujifilm XF 8-16mm f/2.8 R LM WR	36477 X816-Z	37304 N100 to N120 55mm Port Adaptor	21110 Extension Ring 10 with Screws	18809 180mm Optical Glass Wide Angle Port			
				21130 Extension Ring 30 with Lock	* 18812 230mm Optical Glass Wide Angle Port II			
	Fujifilm XF 10-24mm f/4 R OIS WR	36475 X1024-Z	37304 N100 to N120 55mm Port Adaptor	37403 N100 Extension Ring 50	* 37129 N100 180mm Optical Glass Wide Angle Port			
					18809 180mm Optical Glass Wide Angle Port			
	Fujifilm XF 18mm f/2 R			36472 N100 Flat Port 13	83250 M67 to Bayonet Mount Converter II	¹ 83201 WWL - 1 83202 WWL - 1B	Lens FOV 76.5° Converted FOV 132°	
							Lens FOV 76.5° Converted FOV 132°	
	Fujifilm XF 23mm f/2 R				37127 N100 Flat Port 32	83250 M67 to Bayonet Mount Converter II	¹ 83201 WWL - 1 83202 WWL - 1B	Lens FOV 63.4° Converted FOV 110°
						Lens FOV 63.4° Converted FOV 110°		



N100 PORT SYSTEM FOR NIKON Z-MOUNT CAMERA SYSTEM (DX & F-Mount Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO DX	NIKKOR Z MC 50mm f/2.8 Macro			37401 N100 Extension Ring 30	37601 N100 Flat 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 1.3X Working Distance 8-66mm
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1 81302 CMC - 2	Max. Magnification 1.3X Working Distance 8-66mm Max. Magnification 1.2X Working Distance 4-120mm
					37124 Flat port 66 with M77 Thread	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 31.5° Converted FOV 119°
						SMC/CMC Option 1 - Bayonet Mount 83251 + 83214 M77 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1 81302 CMC - 2	Max. Magnification 1.3X Working Distance 8-66mm Max. Magnification 1.2X Working Distance 4-120mm
						83251 M77 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 31.5° Converted FOV 119°
STANDARD ZOOM DX	NIKKOR Z DX 16-50mm f/3.5-6.3 VR	37602 Z1650PZ-Z			37601 N100 Flat 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 0.9X Working Distance 45.5-75mm
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1 81302 CMC - 2	Max. Magnification 0.9X Working Distance 45.5-75mm Max. Magnification 0.67X Working Distance 70-130mm
						83250 M67 to Bayonet Mount Converter II	83203 WWL-C	Lens FOV 84-31.5° Converted FOV 130-49°
							¹ 83201 WWL-1	Lens FOV 72-31.5° Converted FOV 125-55° Zoom Range 20-50mm
							83202 WWL-1B	Lens FOV 72-31.5° Converted FOV 125-55° Zoom Range 20-50mm
NIKON F-MOUNT	Nikon F-mount Lenses with Nikon Adaptor FTZ <i>* It is required to replace tripod socket cover of Nikon adaptor FTZ by #25220 Tripod socket replacement</i>		37305 N100 to N120 35.5mm Port Adaptor II		N120 Nikon F-Mount Port System			

¹ We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N100 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM (Full Frame Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
MACRO FULL FRAME	Sony SEL50M28 FE 50mm f/2.8 Macro			37402 N100 Extension Ring 40	37127 N100 Flat Port 32				
	Sony SEL55F18Z AE Sonnar T* FE 55mm F1.8 ZA				37123 N100 Macro Port 55			* This setup is not compatible with Extension Rings SN:A175724 before 09/2016	
	Sony SEL90M28G FE 90mm f/2.8 Macro G OSS	37147 SE90-F			37126 N100 Macro Port 105	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-93mm	
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81202 SMC - 2	Max. Magnification 3.4X Working Distance 22-36mm	
						83250 M67 to Bayonet Mount Converter II	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-93mm	
							81202 SMC - 2	Max. Magnification 3.4X Working Distance 22-36mm	
							87303 EMWL Set#3	Lens FOV 27° Converted FOV 60°/100°/130°	
MACRO FULL FRAME	Sigma 105mm F2.8 DG DN Macro Art	37166 SGE105-F			37125 N100 Macro Port 110	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81201 SMC - 1	Max. Magnification 2.3X Working Distance 49-80mm	
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81202 SMC - 2	Max. Magnification 3.6X Working Distance 26-35mm	
							81201 SMC - 1	Max. Magnification 2.3X Working Distance 49-80mm	
							81202 SMC - 2	Max. Magnification 3.6X Working Distance 26-35mm	
								81201 SMC - 1	Max. Magnification 2.3X Working Distance 49-80mm
								81202 SMC - 2	Max. Magnification 3.6X Working Distance 26-35mm
MACRO FULL FRAME	Laowa 24mm f/14 2X Macro Probe	19155 N120 DSLR Gear Set	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21271 Extension Ring 70 with Focus Knob	16336 N120 Port Adaptor	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81201 SMC - 1	Max. Magnification 2.3X Working Distance 49-80mm	
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81202 SMC - 2	Max. Magnification 3.6X Working Distance 26-35mm	
							81201 SMC - 1	Max. Magnification 2.3X Working Distance 49-80mm	
							81202 SMC - 2	Max. Magnification 3.6X Working Distance 26-35mm	
								81201 SMC - 1	Max. Magnification 2.3X Working Distance 49-80mm
								81202 SMC - 2	Max. Magnification 3.6X Working Distance 26-35mm
STANDARD ZOOM FULL FRAME	Sony Vario-Tessar T* FE 24-70mm F4 ZA OSS	37149 SE2470-Z	¹ 37305 N100 to N120 35.5mm Port Adaptor II		* 85204 WACP - 2			Lens FOV 84-34° Converted FOV 98-72° Zoom Range 24-35mm	
		37149 + 37148 SE2470-Z + SE2470-F		21130 Extension Ring 30 with Lock	18809 180mm Optical Glass Wide Angle Port				

¹. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.

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 port system based on best optical performance

* Secondary setup recommendation based on optical performance



N100 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM (Full Frame Format Lens)

CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
Sony SEL2470GM FE 24-70mm f/2.8 GM	37151 SFE2470GM-Z	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21130 Extension Ring 30 with Lock	* 85204 WACP - 2			Lens FOV 84-34° Converted FOV 98-72° Zoom Range 24-35mm
	37151 + 37152 SFE2470GM-Z +		21160 Extension Ring 60	18809 180mm Optical Glass Wide Angle Port			
Sony SEL28F20 FE 28mm f/2	37150 SE28-F			37127 N100 Flat Port 32	83250 M67 to Bayonet Mount Converter II	¹ 83201 WWL - 1	Lens FOV 75° Converted FOV 130°
						83202 WWL - 1B	Lens FOV 75° Converted FOV 130°
Sony SEL2860 FE 28-60mm F4-5.6	37163 SFE2860-Z		37401 + 37401 N100 Extension Ring 30 + 30	37129 N100 180mm Optical Glass Wide Angle Port			
			37401 N100 Extension Ring 30	* 85203 N100 WACP-1		Lens FOV 75-40° Converted FOV 130-69°	
		¹ 37305 N100 to N120 35.5mm Port Adaptor II	21130 Extension Ring 30 with Lock	* 18809 180mm Optical Glass Wide Angle Port			
	37163 + 37168 SFE2860-Z + SFE2860-F (WACP-1)	¹ 37305 N100 to N120 35.5mm Port Adaptor II		85201 WACP - 1		Lens FOV 75-39° Converted FOV 130-68°	
	37163 + 37164 SFE2860-Z + SFE2860-F			37165 N100 Flat Port 45 with Focus Knob	83250 M67 to Bayonet Mount Converter II	¹ 83201 WWL - 1	Lens FOV 75-40° Converted FOV 130-69°
					SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	83202 WWL - 1B	Lens FOV 75-40° Converted FOV 130-69°
						81301 CMC - 1	Max. Magnification 0.9X Working Distance 55-80mm
						81302 CMC - 2	Max. Magnification 0.7X Working Distance 83-135mm
						81301 CMC - 1	Max. Magnification 0.9X Working Distance 55-80mm
						81302 CMC - 2	Max. Magnification 0.7X Working Distance 83-135mm
Sony SEL2870 FE 28-70mm F3.5-5.6 OSS	37141 SE2870-Z		37403 N100 Extension Ring 50	* 85203 N100 WACP-1			Lens FOV 75-34° Converted FOV 130-59°
					37124 Flat port 66 with M77 Thread	83251 M77 to Bayonet Mount Converter II	86201 MWL - 1
	37141 + 37167 SE2870-Z + SE2870-F	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21120 Extension Ring 20 with Lock	85201 WACP - 1			Lens FOV 75-34° Converted FOV 130-59°
Sony SEL35F28Z Sonnar T* FE 35mm F2.8 ZA				37122 4" Wide angle port			
				* 37130 N100 Flat port 23	83250 M67 to Bayonet Mount Converter II	¹ 83201 WWL - 1	Lens FOV 62° Converted FOV 109°
						¹ 83202 WWL - 1B	Lens FOV 62° Converted FOV 109°

STANDARD ZOOM
FULL FRAME

¹. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N100 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM (Full Frame Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
STANDARD ZOOM FULL FRAME	Sigma 24-70mm f/2.8 DG DN Art	37171 SSF2470-Z	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21155 Extension Ring 55 with Lock	18802 8.5" Acrylic dome port 18809 180mm Optical Glass Wide Angle Port * 18812 230mm Optical Glass Wide Angle Port	Lens FOV 84-64° Converted FOV 98-74° Zoom Range 24-34mm
				21120 Extension Ring 20 with Lock	* 85204 WACP - 2	
				21140 Extension Ring 40 with Lock	85201 WACP - 1	Lens FOV 73° Converted FOV 127° Zoom Range 29mm
	Tamron 28-75mm f/2.8 Di III RXD	37159 STE2875-Z 37159 + 37160 STE2875-Z + STE2875-F	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21135 Extension Ring 35 with Lock 21150 Extension Ring 50 with Lock	* 85201 WACP - 1 18802 8.5" Acrylic dome port 18809 180mm Optical Glass Wide Angle Port * 18812 230mm Optical Glass Wide Angle Port	Lens FOV 75-52° Converted FOV 130-90° Zoom Range 28-45mm
WIDE ANGLE FULL FRAME	Sony SEL1224GM FE 12-24mm F2.8 GM	37161 SFE1224GM-Z 37161 + 37162 SFE1224GM-Z + SFE1224GM-F	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21155 Extension Ring 55 with Lock	18812 230mm Optical Glass Wide Angle Port	* This setup is not compatible with Extension Rings SN:A055053 before 09/2016
	Sony SEL1224G FE 12-24mm F4 G	37153 SFE1224-Z 37153 + 37154 SFE1224-Z + SFE1224-F	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21140 Extension Ring 40 with Lock	18812 230mm Optical Glass Wide Angle Port	
	Sony FE 14mm f/1.8 GM		¹ 37305 N100 to N120 35.5mm Port Adaptor II	21120 Extension Ring 20 with Lock 21130 Extension Ring 30 with Lock	18809 180mm Optical Glass Wide Angle Port 18802 8.5" Acrylic dome port * 18812 230mm Optical Glass Wide Angle Port 18815 250mm Optical Glass Wide Angle Port	Lens FOV 114° Converted FOV 140°
	Sony SEL1635GM FE 16-35mm F2.8 GM	37155 SFE1635GM-Z	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21130 Extension Ring 30 with Lock	* 85204 WACP - 2	

*Please refer to the following page for more setup options

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N100 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM (Full Frame Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
WIDE ANGLE FULL FRAME	Sony SEL1635GM FE 16-35mm F2.8 GM	37155 + 37156 SFE1635GM-Z SFE1635GM-F	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port			
				21170 Extension Ring 70 with Lock	* 18812 230mm Optical Glass Wide Angle Port			
	Sony SEL1635Z Vario-Tessar T* FE 16-35mm F4 ZA OSS	37145 SE1635-Z		37401 + 37403 N100 Extension Ring 30 + 50		37129 N100 180mm Optical Glass Wide Angle Port		
		37145 + 37146 SE1635-Z + SE1635-F	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21110 Extension Ring 10 with Screws	* 85204 WACP - 2			Lens FOV 107-63° Converted FOV 128-77°
				21150 Extension Ring 50 with Lock	18809 180mm Optical Glass Wide Angle Port			
				21160 Extension Ring 60 with Lock	* 18812 230mm Optical Glass Wide Angle Port			
	Sony FE 24mm f/2.8 G				37130 N100 Flat Port 23	83250 M67 to Bayonet Mount Converter II	83203 WWL-C	Lens FOV 84° Converted FOV 130°
	Sony FE 24mm f/1.4 GM		¹ 37305 N100 to N120 35.5mm Port Adaptor II	21140 Extension Ring 40 with Lock	18802 8.5" Acrylic dome port			
					* 18809 180mm Optical Glass Wide Angle Port			
					* 85204 WACP - 2			Lens FOV 84° Converted FOV 98°
	Sony FE PZ 28-135mm f/4 G OSS	37169 SFE28135-Z	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21190 Extension Ring 90 with Lock	18812 230mm Optical Glass Wide Angle Port			
		37169 + 37170 STE28135-Z + STE28135-F						
	Sigma 14-24mm F2.8 DG DN	19726 SLE1424-Z	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21125 Extension Ring 25 with Lock	* 85204 WACP - 2			Lens FOV 94-84° Converted FOV 115-98° Zoom Range 20-24mm
				21140 Extension Ring 40 with Lock	18809 180mm Optical Glass Wide Angle Port			
					18812 230mm Optical Glass Wide Angle Port			
				21150 Extension Ring 50 with Lock	* 18815 250mm Optical Glass Wide Angle Port			
				21160 Extension Ring 60 with Lock	18802 8.5" Acrylic dome port			
		19726 + 19727 SLE1424-Z + SLE1424-F	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21250 Extension Ring 50 with Focus Knob	18812 230mm Optical Glass Fisheye Port II			

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N100 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM (Full Frame Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
WIDE ANGLE FULL FRAME	Sigma 24mm f/3.5 DG DN				37127 N100 Flat Port 32	83250 M67 to Bayonet Mount Converter II	83203 WWL-C	Lens FOV 84° Converted FOV 130°
				37403 N100 Extension Ring 50	37129 N100 180mm Optical Glass Wide Angle Port			
			¹ 37305 N100 to N120 35.5mm Port Adaptor II	21120 Extension Ring 20 with Lock	18809 180mm Optical Glass Wide Angle Port			
	Tamron 17-28mm f/2.8 Di III RXD	37157 STE1728-Z 37157 + 37158 STE1728-Z + STE1728-F	¹ 37305 N100 to N120 35.5mm Port Adaptor II	21140 Extension Ring 40 with Lock	* 85204 WACP - 2			Lens FOV 104-75° Converted FOV 123-89°
					18802 8.5" Acrylic dome port * 18809 180mm Optical Glass Wide Angle Port 18812 230mm Optical Glass Wide Angle Port			
	Zeiss Batis 18mm F/2.8		¹ 37305 N100 to N120 35.5mm Port Adaptor II	21120 Extension Ring 20 with Lock	18809 180mm Optical Glass Wide Angle Port			
	Sony FE 28mm f/2 + Sony 21mm Ultra-Wide Conversion Lens		¹ 37305 N100 to N120 35.5mm Port Adaptor II	21130 Extension Ring 30 with Lock	18809 180mm Optical Glass Wide Angle Port			
	Sony FE 28mm f/2 + Sony 16mm Fisheye Conversion Lens		¹ 37305 N100 to N120 35.5mm Port Adaptor II	21130 Extension Ring 30 with Lock	18810 140mm Optical Glass Wide Angle Port			
NIKONOS	Sony Full Frame Camera Sensor	36317 Filter Holder				37202 Nikonos Adaptor	U/W Nikkor 15 mm f/2.8 U/W Nikkor 20 mm f/2.8 U/W Nikkor 80mm f/1.4 Sea & Sea 12mm f/3.5 Fisheye for Nikonos	
CANON EF -MOUNT	Sigma 15mm F2.8 EX DG Diagonal Fisheye with Metabones T Smart Adaptor III/IV/V	19546 SC15-F	¹ 37305 N100 to N120 35.5mm Port Adaptor II		18810 140mm Optical Glass Fisheye Port			
	Other Canon EF-mount Lenses with Metabones T Smart Adaptor III/IV/V		¹ 37305 N100 to N120 35.5mm Port Adaptor II		N120 Canon EF-Mount Port System			

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.

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 port system based on best optical performance

* Secondary setup recommendation based on optical performance



N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT BASE / 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 MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 39° Converted FOV 150° Working Distance 30mm
	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 2.0X Working Distance 22-70mm
						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 1.7X Working Distance 33-122mm
						83250 M67 to Bayonet Mount Converter II	81301 CMC - 1	Max. Magnification 2.0X Working Distance 22-70mm
				36620 N85 Extension Ring 20	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>	81302 CMC - 2	Max. Magnification 1.7X Working Distance 33-122mm
						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
						83250 M67 to Bayonet Mount Converter II	81302 CMC - 2	Max. Magnification 1.7X Working Distance 33-122mm
						83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV 20° Converted FOV 60°/100°/130°
						SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	87301 EMWL Set #1	Lens FOV 20° Converted FOV 60°/100°/130°
						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
					83250 M67 to Bayonet Mount Converter II	81302 CMC - 2	Max. Magnification 1.7X Working Distance 33-122mm	
	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 <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 39° Converted FOV 150° Working Distance 30mm
	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 1.6X Working Distance 17-73mm
						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 1.4X Working Distance 23-124mm
						83250 M67 to Bayonet Mount Converter II	81301 CMC - 1	Max. Magnification 1.6X Working Distance 17-73mm
						83250 M67 to Bayonet Mount Converter II	81302 CMC - 2	Max. Magnification 1.4X Working Distance 23-124mm
						83250 M67 to Bayonet Mount Converter II	87303 EMWL Set #3	Lens FOV 20° Converted FOV 60°/100°/130°
	Laowa 24mm f/14 2X Macro Probe * with Metabones T Speed Booster Ultra 0.71X Adapter on NA-GH5 housing	19155 N120 DSLR Gear Set	36064 N85 to N120 34.7mm Port Adaptor	21271 Extension Ring 70 with Focus Knob	16336 N120 Port Adaptor for Laowa 24mm f/14 2X Macro Probe			

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE		
STANDARD ZOOM FOUR THIRDS	Olympus M.ZUIKO DIGITAL ED 12-40mm f/2.8 PRO	36045 O1240-Z	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	21120 Extension Ring 20 with Lock	36129 N85 7" Acrylic Dome Port			Lens FOV 75-45° Converted FOV 130-57° Zoom Range 14-32mm		
					* 85201 WACP - 1					
		* 18809 180mm Optical Glass Wide Angle Port								
		36045 + 36065 O1240-Z + O1240-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>	21110 Extension Ring 10 with Screws	18809 180mm Optical Glass Wide Angle Port			Lens FOV 75-45° Converted FOV 130-68° Zoom Range 14-26mm		
		Olympus M.ZUIKO DIGITAL ED 12-45mm f/4 PRO	36069 O1245-Z	36620 + 36620 N85 Extension Ring 20 + 20	36139 N85 Macro Port 35	36129 N85 7" Acrylic Dome Port	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 0.7X Working Distance 24-74mm	
						* 18809 180mm Optical Glass Wide Angle Port				81302 CMC - 2
			36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>			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 0.7X Working Distance 24-74mm		
			36064 N85 to N120 34.7mm Port Adaptor				81302 CMC - 2	Max. Magnification 0.5X Working Distance 39-130mm		
			36069 + 36070 O1240-Z + O1240-F	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	21110 Extension Ring 10 with Screws	18809 180mm Optical Glass Wide Angle Port			Lens FOV 75-45° Converted FOV 130-58° Zoom Range 14-29mm	
	Olympus M.Zuiko Digital ED 12-50mm f/3.5-6.3 EZ	36147 O1250-Z <i>* 36059 O1250-Z for NA-GH5 & NA-EM1X</i>				36137 N85 4" Acrylic Wide Angle Port	25105 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81301 CMC - 1	Max. Magnification 0.8X Working Distance 40-70mm	
										81302 CMC - 2
							36161 N85 Macro Port with M77 Thread	83251 M77 to Bayonet Mount Converter II	86201 MWL - 1	Lens FOV 39-34° Converted FOV 150-71° Working Distance 30-50mm
							83203 WWL-C			

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance

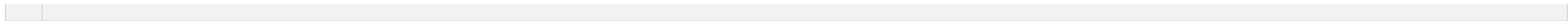


N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
STANDARD ZOOM FOUR THIRDS	Olympus M.Zuiko Digital ED 12-50mm f/3.5-6.3 EZ	36147 O1250-Z <i>* 36059 O1250-Z for NA-GH5 & NA-EM1X</i>	36161 N85 Macro Port with M77 Thread	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/3.5-6.3 II R	36143 O1442-Z		36137 N85 4" Acrylic Wide Angle Port	25105 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81301 CMC - 1	Max. Magnification 0.8X Working Distance 41-76mm
						81302 CMC - 2	Max. Magnification 0.6X Working Distance 63-130mm
				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 0.8X Working Distance 41-76mm
						81302 CMC - 2	Max. Magnification 0.6X Working Distance 63-130mm
				83250 M67 to Bayonet Mount Converter II	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 0.8X Working Distance 41-76mm
						81302 CMC - 2	Max. Magnification 0.6X Working Distance 63-130mm
	Olympus M.Zuiko Digital 14-42mm f/3.5-5.6 EZ	36047 O1442EZ-Z	36143 + 36067 O1442-Z + O1442-F	36166 N85 Macro Port 56 with Focus Knob	83250 M67 to Bayonet Mount Converter II	¹ 83201 WWL - 1	Lens FOV 75-29° Converted FOV 130-50° * zoom range 16-42mm for BMPCC II
						83202 WWL - 1B	Lens FOV 75-29° Converted FOV 130-50° * zoom range 16-42mm for BMPCC II
	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	¹ 83201 WWL - 1	Lens FOV 75-29° Converted FOV 130-50°
						83202 WWL - 1B	Lens FOV 75-29° Converted FOV 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 0.8X Working Distance 41-76mm		
				81302 CMC - 2	Max. Magnification 0.6X Working Distance 63-130mm		
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 0.8X Working Distance 41-76mm		
				81302 CMC - 2	Max. Magnification 0.6X Working Distance 63-130mm		

¹ We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
STANDARD ZOOM FOUR THIRDS	Panasonic LUMIX G VARIO 12-32mm F3.5-5.6 ASPH. ASPH. MEGA O.I.S.	36046 P1232-Z		36620 N85 Extension Ring 20	36131 N85 3.5" Acrylic Wide Angle Port	83250 M67 to Bayonet Mount Converter II	1 83201 WWL - 1	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 13-32mm	
					36165 N85 Power Zoom Macro Port 29			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		36064 N85 to N120 34.7mm Port Adaptor		36133 N85 6" Acrylic Wide Angle Port			Lens FOV 75-52° Converted FOV 130-90° Zoom Range 14-22mm
						* 85201 WACP - 1 <i>* this setup is not compatible with NA-EM1X</i>			
	Panasonic LUMIX G X Vario 12-35mm F2.8 I / II ASPH. POWER O.I.S.	36148 + 36042 P1235-Z + P1235-F		36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	21120 Extension Ring 20 with Lock	36134 N85 6" Acrylic Wide Angle Port with Focus Knob			Lens FOV 75-40° Converted FOV 130-69° Zoom Range 14-30mm
						* 85201 WACP - 1			
	Panasonic LUMIX G X Vario 12-35mm F2.8 I / II ASPH. POWER O.I.S.	36148 + 36042 P1235-Z + P1235-F		36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	21120 Extension Ring 20 with Lock	* 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	36058 + 36068 PL1260-Z + PL1260-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>	21110 Extension Ring 10 with Screws	36129 N85 7" Acrylic Dome Port			
* 18809 180mm Optical Glass Wide Angle Port									
Panasonic LUMIX G 14mm / F2.5 ASPH					36131 N85 3.5" Acrylic Wide Angle Port	83250 M67 to Bayonet Mount Converter II	1 83201 WWL - 1	Lens FOV 75° Converted FOV 130°	
					36151 N85 Pancake Port			83202 WWL - 1B	Lens FOV 75° Converted FOV 130°
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	25105 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81301 CMC - 1	Max. Magnification 0.7X Working Distance 50-70mm	
								81302 CMC - 2	Max. Magnification 0.6X Working Distance 80-120mm
					36121 N85 Flat Port 72	25104 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81301 CMC - 1	Max. Magnification 0.7X Working Distance 50-70mm	
								81302 CMC - 2	Max. Magnification 0.6X Working Distance 80-120mm

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE											
STANDARD ZOOM FOUR THIRDS	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											
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 77-122mm											
							81301 CMC - 1	Max. Magnification 0.7X Working Distance 50-70mm											
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 80-120mm											
							83250 M67 to Bayonet Mount Converter II	¹ 83201 WWL - 1	Lens FOV 75-29° Converted FOV 130-50°										
							83202 WWL - 1B	Lens FOV 75-29° Converted FOV 130-50°											
STANDARD ZOOM FOUR THIRDS	Panasonic LUMIX G Vario PZ 14-42mm F3.5-5.6 ASPH. POWER O.I.S.	36146 P1442X-PZ * 36061 P1442X-PZ for NA-GH5			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											
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 77-122mm											
							81301 CMC - 1	Max. Magnification 0.7X Working Distance 50-70mm											
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 80-120mm											
							83250 M67 to Bayonet Mount Converter II	¹ 83201 WWL - 1	Lens FOV 75-29° Converted FOV 130-50°										
							83202 WWL - 1B	Lens FOV 75-29° Converted FOV 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	25105 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81301 CMC - 1	Max. Magnification 0.8X Working Distance 40-75mm											
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 60-130mm											
							36121 N85 Flat Port 72	25104 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81301 CMC - 1	Max. Magnification 0.8X Working Distance 40-75mm									
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 60-130mm											
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		18809 180mm Optical Glass Wide Angle Port														
									Olympus M.ZUIKO DIGITAL ED 9-18mm f/4-5.6	36143 O918-Z	36052 N85 to N120 47mm Port Adaptor with Zoom Knob * SN297188 onwards for NA-EM1X	21120 Extension Ring 20 with Lock	* 18809 180mm Optical Glass Wide Angle Port						
																36401 N85 to N120 55mm Port Adaptor with Lens Control Knob * SN393297 onwards for NA-EM1X	21110 Extension Ring 20 with Screws		

¹ We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	
WIDE ANGLE FOUR THIRDS	Olympus M.ZUIKO DIGITAL ED 12mm f/2.0	36620 N85 Extension Ring 20			36132 N85 4.33" Acrylic Fisheye Dome Port <i>* this setup is not compatible with NA-EM1X</i>	
					* 36048 N85 140mm Optical Glass Fisheye Port	
	Panasonic LUMIX G Vario 7-14mm F4.0 ASPH.	36044 P714-Z	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>			36133 N85 6" Acrylic Wide Angle Port
		36044 + 36043 P714-Z + P714-F				21120 Extension Ring 20 with Lock
	Panasonic LEICA DG VARIO-ELMARIT 8-18mm F2.8-4.0 ASPH.	36062 PL818-Z	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>			36129 N85 7" Acrylic Dome Port
		36062 + 36063 PL818-Z + PL818-F				21120 Extension Ring 20 with Lock
FISHEYE FOUR THIRDS	Olympus M.Zuiko Digital ED 8mm f/1.8 Fisheye PRO	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	
					36131 N85 3.5" Acrylic Wide Angle Port <i>* this setup is not compatible with NA-EM1X</i>	
	Panasonic LUMIX G Vario PZ 14-42mm F3.5-5.6 ASPH. MEGA O.I.S. with PZ 14-42mm F3.5-5.6 DMW-GFC1 for G Series	36146 P1442X-PZ <i>* 36061 P1442X-PZ for NA-GH5</i>			36132 N85 4.33" Acrylic Fisheye Dome Port	
					36630 N85 Extension Ring 30	36132 N85 4.33" Acrylic Fisheye Dome Port
CANON EF-	Canon EF-mount Lenses with Metabones T Speed Booster Ultra 0.71X Adapter	36064 N85 to N120 34.7mm Port Adaptor			N120 Canon EF-Mount Port System <i>* this setup is not compatible with NA-EM1X</i>	

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N85 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO APS-C	Sony E 30mm f/3.5 Macro	36171 SE30-F			36135 N85 Macro Port 45			
					36128 N85 Macro Port 65 with Focus Knob			
	ZEISS Touit 50mm f/2.8M Macro			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 81302 CMC - 2	Max. Magnification 1.3X Working Distance 17-75mm Max. Magnification 1.0X Working Distance 30-130mm
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC 83250 M67 to Bayonet Mount Converter II (included in all MWL-1 packaging)	81301 CMC - 1 81302 CMC - 2 86201 MWL - 1	Max. Magnification 1.3X Working Distance 17-75mm Max. Magnification 1.0X Working Distance 30-130mm Lens FOV 31° Converted FOV 116°
MACRO FULL FRAME	Sony FE 50mm f/2.8 Macro		¹ 36207 N85 to N120 50mm Port Adaptor II with Knob		18704 Macro Port 41	83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1 81302 CMC - 2	Max. Magnification 1.4X Working Distance 6-73mm Max. Magnification 1.3X Working Distance 12-125mm
	Sony FE 90mm f/2.8 Macro G OSS		¹ 36204 N85 to N120 60mm Port Adaptor II		18701 Macro Port 60	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81201 SMC - 1 81202 SMC - 2	Max. Magnification 2.1X Working Distance 45-93mm Max. Magnification 2.9X Working Distance 23-39mm
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1 81202 SMC - 2	Max. Magnification 2.1X Working Distance 45-93mm Max. Magnification 2.9X Working Distance 23-39mm
		36175 SFE90-F	36205 N85 to N100 65mm Port Adaptor		37123 N100 Macro Port 55 <small>* this setup is only compatible with SN:A175724 onwards</small>	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81201 SMC - 1 81202 SMC - 2	Max. Magnification 2.1X Working Distance 45-93mm Max. Magnification 2.9X Working Distance 23-39mm
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1 81202 SMC - 2	Max. Magnification 2.1X Working Distance 45-93mm Max. Magnification 2.9X Working Distance 23-39mm
SONY A-MOUNT	Sony DT 30mm f/2.8 Macro SAM with Sony LA-EA1/3/5 A-Mount to E-Mount Adapter				36202 EA30 Port			

1. Optical fibre cables # 26212-5 & 26221-3 cannot be used on NA-NEX 6/7, NA-A6000 & NA-A5000 housings while using #36204 & #36207 Port Adaptor.
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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



N85 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
CANON EF-MOUNT	Canon EF-S 60mm f/2.8 Macro USM with Metabones Canon EF/EF-S Lens to Sony E Mount T Smart Adaptor	36203 EEF60-F			36203 EEF60 Macro Port	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81302 CMC - 2	Max. Magnification 1.6X Working Distance 38-120mm
							81201 SMC - 1	Max. Magnification 1.6X Working Distance 28-94mm
						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 1.6X Working Distance 38-120mm
							81201 SMC - 1	Max. Magnification 1.6X Working Distance 28-94mm
STANDARD ZOOM APS-C	Sony E PZ 16-50mm f/3.5-5.6 OSS	36172 SE1650-PZ			36128 N85 Macro Port 45 with Knob	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 0.9X Working Distance 46-74mm
							81302 CMC - 2	Max. Magnification 0.7X Working Distance 69-121mm
						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 0.9X Working Distance 46-74mm
							81302 CMC - 2	Max. Magnification 0.7X Working Distance 69-121mm
						83250 M67 to Bayonet Mount Converter II	¹ 83201 WWL - 1	Lens FOV 63-31° Converted FOV 110-54° Zoom Range 20-50mm
							83202 WWL - 1B	Lens FOV 63-31° Converted FOV 110-54° Zoom Range 20-50mm
		36228 N85 Macro Port 40 with Knob	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 0.9X Working Distance 46-74mm			
				81302 CMC - 2	Max. Magnification 0.7X Working Distance 69-121mm			
			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 0.9X Working Distance 46-74mm			
				81302 CMC - 2	Max. Magnification 0.7X Working Distance 69-121mm			
			83250 M67 to Bayonet Mount Converter II	83203 WWL-C	Lens FOV 80-31° Converted FOV 124-48° Zoom Range 17-50mm			
	Sony Vario-Tessar T* E 16-70mm f/4 ZA OSS	36174 SE1670-Z			36129 7" Acrylic Dome Port			
			¹ 36207 N85 to N120 50mm Port Adaptor II with Knob	21120 Extension Ring 20 with Lock	* 18809 180mm Optical Glass Wide Angle Port			
					18705 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 83-23° Converted FOV 100-82° Working Distance 50-60mm

1. Optical fibre cables # 26212-5 & 26221-3 cannot be used on NA-NEX 6/7, NA-A6000 & NA-A5000 housings while using #36204 & #36207 Port Adaptor.
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.

¹ Recommended port system based on best optical performance
* Secondary setup recommendation based on optical performance



N85 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM (APS-C & Full Frame Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
STANDARD ZOOM APS-C	Sony E 18-55mm f/3.5-5.6 OSS	36122 SE1855-PZ			36137 4" Wide Angle Port	25105 + 81222 M67 Flip Diopter Holder for 36137 + M67 Adapter Ring	81301 CMC - 1	Max. Magnification 0.8X Working Distance 37-71mm	
							81302 CMC - 2	Max. Magnification 0.7X Working Distance 55-122mm	
					36121 Flat Port 72		25104 + 81222 M67 Flip Diopter Holder for 36121 + M67 Adapter Ring	81301 CMC - 1	Max. Magnification 0.8X Working Distance 37-71mm
								81302 CMC - 2	Max. Magnification 0.7X Working Distance 55-122mm
WIDE ANGLE APS-C	Sony E 10-18mm f/4 OSS	36173 SE1018-Z			36129 7" Acrylic Dome Port				
			¹ 36204 N85 to N120 60mm Port Adaptor		* 18809 180mm Optical Glass Wide Angle Port				
			¹ 36207 N85 to N120 50mm Port Adaptor II with Knob	21110 Extension Ring 10 with Screws	18809 180mm Optical Glass Wide Angle Port				
	Sony E 16mm f/2.8				36126 E16 Pancake Port				
					* 36125 4.33" Acrylic Wide-angle Dome Port				
	Sony E 16mm f/2.8 with Sony Fisheye Converter VCL-ECF1 / VCL-ECU1				36125 4.33" Acrylic Wide-angle Dome Port				
	ZEISS Touit 12mm f/2.8		¹ 36204 N85 to N120 60mm Port Adaptor		* 18809 180mm Optical Glass Wide Angle Port				
			¹ 36207 N85 to N120 50mm Port Adaptor II with Knob	21110 Extension Ring 10 with Screws	18809 180mm Optical Glass Wide Angle Port				
	Sigma 19mm f/2.8 DN Art				36135 N85 Macro Port 45	83250 M67 to Bayonet Mount Converter II	¹ 83201 WWL - 1	Lens FOV 73.5° Converted FOV 127°	
							83202 WWL - 1B	Lens FOV 73.5° Converted FOV 127°	
Tokina AT-X 107 AF DX Fisheye 10-17mm f/3.5-4.5 for Canon with Metabones Canon EF Lens to Sony NEX Smart Adapter III/IV/V	19529 TC1017-Z	¹ 36207 N85 to N120 50mm Port Adaptor II with Knob			18804 4.33" Acrylic Wide-angle Dome Port for Tokina AT-X 10-17MM F3.5-4.5 FISHEYE DX				
NIKONOS	Sony APS-C Camera Sensor	36317 Filter Holder				36201 Nikonos to NEX Adaptor	U/W Nikkor 15 mm f/2.8		
							U/W Nikkor 20 mm f/2.8		
							U/W Nikkor 28 mm f/3.5		
							U/W Nikkor 35 mm f/2.5		
							U/W Nikkor 80mm f/1.4		
							Sea & Sea 12mm f/3.5 Fisheye for Nikonos		

¹. Optical fibre cables # 26212-5 & 26221-3 cannot be used on NA-NEX 6/7, NA-A6000 & NA-A5000 housings while using #36204 & #36207 Port Adaptor.
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.

¹ Recommended port system based on best optical performance
* Secondary setup recommendation based on optical performance



N85 PORT SYSTEM FOR CANON EF-M-MOUNT CAMERA SYSTEM (APS-C Format Lens)

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO APS-C	Canon EF-S 60mm f/2.8 Macro USM with Canon EF-M Lens Adapter Kit	36192 CMEF60-F 19521 C60-F	36184 N85 to N120 41.5mm Port Adaptor	36182 Macro Port for Canon EF-EOS M Adaptor	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81302 CMC - 2	Max. Magnification 1.6X Working Distance 38-120mm
						81201 SMC - 1	Max. Magnification 1.6X Working Distance 28-94mm
				18704 Macro Port 41	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81302 CMC - 2	Max. Magnification 1.6X Working Distance 38-120mm
	81201 SMC - 1	Max. Magnification 1.6X Working Distance 28-94mm					
					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 1.6X Working Distance 38-120mm
						81201 SMC - 1	Max. Magnification 1.6X Working Distance 28-94mm
STANDARD ZOOM APS-C	Canon EF-M 15-45mm f/3.5-6.3 IS STM	36195 CM1545-Z		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 0.8X Working Distance 37-81mm
						81302 CMC - 2	Max. Magnification 0.7X Working Distance 59-150mm
						81301 CMC - 1	Max. Magnification 0.8X Working Distance 37-81mm
						81302 CMC - 2	Max. Magnification 0.7X Working Distance 59-150mm
					83250 M67 to Bayonet Mount Converter II	1 83201 WWL - 1	Lens FOV 74-33° Converted FOV 128-57° Zoom Range 18-45mm
						83202 WWL - 1B	Lens FOV 74-33° Converted FOV 128-57° Zoom Range 18-45mm
					83203 WWL - C	Lens FOV 76-33° Converted FOV 117-51° Zoom Range 17-45mm	
	Canon EF-M 18-55mm f/3.5-5.6 IS STM	36191 CM1855-Z		36181 4" Acrylic Wide Angle Port	25105 + 81222 M67 Flip Diopter Holder for 36137 + M67 Adapter Ring	81302 CMC - 1	Max. Magnification 0.6X Working Distance 58-127mm
	Canon EF-M 22mm f/2 STM			36131 3.5" Acrylic Wide Angle Port			
				36126 E16 Mancake Port	83250 M67 to Bayonet Mount Converter II	1 83201 WWL - 1	Lens FOV 63° Converted FOV 109°
						83202 WWL - 1B	Lens FOV 63° Converted FOV 109°
WIDE ANGLE APS-C	Canon EF-M 11-22mm f/4-5.6 IS STM	36194 CM1122-Z		36181 4" Acrylic Wide Angle Port			
				36133 6" Acrylic Wide Angle Port			
				36129 7" Acrylic Dome Port			
				36204 N85 to N120 60mm Port Adaptor	* 18809 180mm Optical Glass Wide Angle Port		

1. #36184 & Port Adaptor is incompatible to be used on NA-EOSM & NA-EOSM3 housings

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 port system based on best optical performance

* Secondary setup recommendation based on optical performance



N85 PORT SYSTEM FOR CANON EF-M-MOUNT CAMERA SYSTEM (Full Frame Format Lens with Canon EF-M Lens Adapter Kit)

CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE		
Canon EF 8-15mm f/4L Fisheye USM with Canon EF-M Lens Adapter Kit	36193 CMEF815-Z	_____		36183 4.33" Acrylic Dome Port for Canon EF 8-15mm f/4L Fisheye USM					
	19537 C815-Z	¹ 36184 N85 to N120 41.5mm Port Adaptor	21130 Extension Ring 30 with Lock	* 18811 140mm Optical Glass Fisheye Port with Removable Shade					
Canon EF 100mm f/2.8L Macro IS USM with Canon EF-M Lens Adapter Kit	_____		36204 N85 to N120 60mm Port Adaptor	21130 Extension Ring 30 with Lock	18704 Macro Port 41	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1 Max. Magnification 2.0X Working Distance 45-95mm		
	_____		_____		_____		81202 SMC - 2 Max. Magnification 3.4X Working Distance 23-39mm		
	_____		_____		_____		81302 CMC - 2 Max. Magnification 2.1X Working Distance 53-127mm		
	_____		_____		_____		SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1 Max. Magnification 2.0X Working Distance 45-95mm	
	_____		_____		_____			81202 SMC - 2 Max. Magnification 3.4X Working Distance 23-39mm	
	_____		_____		_____			81302 CMC - 2 Max. Magnification 2.1X Working Distance 53-127mm	
	Other Canon EF-mount Lenses with Canon EF-M Lens Adapter Kit	19523 C100IS-F	¹ 36184 N85 to N120 41.5mm Port Adaptor	_____		18703 Macro Port 94	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1 Max. Magnification 2.0X Working Distance 45-95mm	
		_____		_____		_____		81202 SMC - 2 Max. Magnification 3.4X Working Distance 23-39mm	
		_____		_____		_____		81302 CMC - 2 Max. Magnification 2.1X Working Distance 53-127mm	
		_____		_____		_____		SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1 Max. Magnification 2.0X Working Distance 45-95mm
		_____		_____		_____			81202 SMC - 2 Max. Magnification 3.4X Working Distance 23-39mm
		_____		_____		_____			81302 CMC - 2 Max. Magnification 2.1X Working Distance 53-127mm
Other Canon EF-mount Lenses with Canon EF-M Lens Adapter Kit	_____		¹ 36184 N85 to N120 41.5mm Port Adaptor	_____		N120 Canon EF-Mount Port System			

CANON EF-MOUNT

1. #36184 & Port Adaptor is incompatible to used on NA-EOSM & NA-EOSM3 housings

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 port system based on best optical performance

* Secondary setup recommendation based on optical performance



COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

CAMERA (HOUSING)	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE			
Sony Cyber-shot DSC-RX100 Mark V (17418/17418P NA-RX100V / Pro Package) * 24-70mm (35mm equivalent) * Port is inexchangeable for this housing		SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81301 CMC - 1	Smallest Subject Size Working Distance	35x23.3mm 55-75mm		
			81302 CMC - 2	Smallest Subject Size Working Distance	48x32mm 80-124mm		
		SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Smallest Subject Size Working Distance	35x23.3mm 55-75mm		
			81302 CMC - 2	Smallest Subject Size Working Distance	48x32mm 80-124mm		
		83250 M67 to Bayonet Mount Converter II (included in all MWL-1 packaging)	83203 WWL - C	Lens FOV Converted FOV	84-34° 130-52°		
			¹ 83201 WWL - 1	Lens FOV Converted FOV Zoom Range	75-34° 130-58° 28-70mm		
			83202 WWL - 1B	Lens FOV Converted FOV Zoom Range	75-34° 130-58° 28-70mm		
			86201 MWL - 1	Lens FOV Converted FOV Working Distance	37-34° 138-128° 65-70mm		
		Sony Cyber-shot DSC-RX100 Mark VI (17421/17421P NA-RX100VI / Pro Package) * 24-200mm (35mm equivalent) * Port is exchangeable for this housing	38702 N50 3.5" Acrylic Wide Angle Dome Port	25107 M67 Flip Diopter Holder	81201 SMC - 1	Smallest Subject Size Working Distance	14x9.3mm 84-94mm
					81202 SMC - 2	Smallest Subject Size Working Distance	7.5x5mm 34-37mm
38704 N50 Short Port 22 with Bayonet Mount * change port from housing	83214 Bayonet Mount Adaptor for SMC/CMC		83203 WWL - C	Lens FOV Converted FOV Zoom Range	84-46° 130-70° 24-50mm		
			81301 CMC - 1	Smallest Subject Size Working Distance	38x25.3mm 25-95mm		
38703 N50 Short Port 25 with Bayonet Mount * change port from housing	83214 Bayonet Mount Adaptor for SMC/CMC		81302 CMC - 2	Smallest Subject Size Working Distance	48.5x32.3mm 50-160mm		
			86201 MWL - 1	Lens FOV Converted FOV Working Distance	40-37° 150-138° 60-65mm		
			¹ 83201 WWL - 1	Lens FOV Converted FOV Zoom Range	75-37° 130-64° 28-65mm		
			83202 WWL - 1B	Lens FOV Converted FOV Zoom Range	75-37° 130-64° 28-65mm		
			83214 Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Smallest Subject Size Working Distance	34x22.7mm 40-85mm	
				81302 CMC - 2	Smallest Subject Size Working Distance	43.5x29mm 58-154mm	

¹. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
 Smallest subject size refers to the smallest width and height of a subject at the closest working distance.
 Working distance operates from the distance between the subject and the front element of the close-up lens.

* Recommended port system based on best optical performance
 * Secondary setup recommendation based on optical performance



COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

	CAMERA (HOUSING)	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE			
SONY	Sony Cyber-shot DSC-RX100 Mark VII (17424/17424P NA-RX100VII / Pro Package) * 24-200mm (35mm equivalent) * Port is exchangeable for this housing	38702 N50 3.5" Acrylic Wide Angle Dome Port	25107 M67 Flip Diopter Holder	81201 SMC - 1	Smallest Subject Size Working Distance	14x9.3mm 84-94mm		
				81202 SMC - 2	Smallest Subject Size Working Distance	7.5x5mm 34-37mm		
		38705 N50 Short Port 17 with Bayonet Mount * change port from housing	38703 N50 Short Port 25 with Bayonet Mount * change port from housing	83214 Bayonet Mount Adaptor for SMC/CMC	83203 WWL - C	Lens FOV Converted FOV Zoom Range	84-46° 130-70° 24-30mm	
					86201 MWL - 1	Lens FOV Converted FOV Working Distance	37° 138° 65mm	
		38703 N50 Short Port 25 with Bayonet Mount * change port from housing	83214 Bayonet Mount Adaptor for SMC/CMC	1 83201 WWL - 1	Lens FOV Converted FOV Zoom Range	75-37° 130-64° 28-65mm		
				83202 WWL - 1B	Lens FOV Converted FOV Zoom Range	75-37° 130-64° 28-65mm		
				81301 CMC - 1	Smallest Subject Size Working Distance	34x22.7mm 40-85mm		
				81202 SMC - 2	Smallest Subject Size Working Distance	43.5x29mm 58-154mm		
		CANON	Canon Powershot G5XMKII (17331/17331P NA-G5XII / Pro Package) * 24-120mm (35mm equivalent) * Port is exchangeable for this housing	38702 N50 3.5" Acrylic Wide Angle Dome Port	25107 M67 Flip Diopter Holder	81301 CMC - 1	Smallest Subject Size Working Distance	21x14mm 44-72mm
						81302 CMC - 2	Smallest Subject Size Working Distance	21x18mm 67-120mm
38703 N50 Short Port 25 with Bayonet Mount * change port from housing	38703 N50 Short Port 25 with Bayonet Mount * change port from housing			83214 Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1	Smallest Subject Size Working Distance	24x16mm 58-93mm	
					83203 WWL - C	Lens FOV Converted FOV Zoom Range	84-46° 130-71° 24-50mm	
38703 N50 Short Port 25 with Bayonet Mount * change port from housing	83214 Bayonet Mount Adaptor for SMC/CMC			1 83201 WWL - 1	Lens FOV Converted FOV Zoom Range	75-46° 130-80° 28-50mm		
				83202 WWL - 1B	Lens FOV Converted FOV Zoom Range	75-46° 130-80° 28-50mm		
				81301 CMC - 1	Smallest Subject Size Working Distance	40x26.7mm 20-72mm		
				81302 CMC - 2	Smallest Subject Size Working Distance	47x31.3mm 33-122mm		

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
 Smallest subject size refers to the smallest width and height of a subject at the closest working distance.
 Working distance operates from the distance between the subject and the front element of the close-up lens.

* Recommended port system based on best optical performance
 * Secondary setup recommendation based on optical performance



COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

CAMERA (HOUSING)	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
Canon Powershot G7XMKII (17324 NA-G7XII) * 24-100mm (35mm equivalent) * Port is exchangeable for this housing	38702 N50 3.5" Acrylic Wide Angle Dome Port	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Smallest Subject Size Working Distance	23x13.3mm 56-72mm
			81302 CMC - 2	Smallest Subject Size Working Distance	31x20.7mm 87-122mm
			81201 SMC - 1	Max. Magnification Working Distance	25.5x17mm 73-93mm
	38703 N50 Short Port 25 with Bayonet Mount * change port from housing	SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Smallest Subject Size Working Distance	23x13.3mm 56-72mm
			81302 CMC - 2	Smallest Subject Size Working Distance	31x20.7mm 87-122mm
			81201 SMC - 1	Smallest Subject Size Working Distance	25.5x17mm 73-93mm
	38702 N50 3.5" Acrylic Wide Angle Dome Port	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV Zoom Range	37-24° 138-90° 65-100mm
			83203 WWL - C	Lens FOV Converted FOV Zoom Range	84-46° 130-71° 24-50mm
			¹ 83201 WWL - 1	Lens FOV Converted FOV Zoom Range	75-37° 130-64° 28-65mm
			83202 WWL - 1B	Lens FOV Converted FOV Zoom Range	75-37° 130-64° 28-65mm
Canon Powershot G7XMKIII (17330/17330P NA-G7XIII / Pro Package) * 24-100mm (35mm equivalent) * Port is exchangeable for this housing *Please refer to the following page for more setup options	38702 N50 3.5" Acrylic Wide Angle Dome Port	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Smallest Subject Size Working Distance	23x13.3mm 56-72mm
			81302 CMC - 2	Smallest Subject Size Working Distance	31x20.7mm 87-122mm
			81201 SMC - 1	Max. Magnification Working Distance	25.5x17mm 73-93mm
	38703 N50 Short Port 25 with Bayonet Mount * change port from housing	SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Smallest Subject Size Working Distance	23x13.3mm 56-72mm
			81302 CMC - 2	Smallest Subject Size Working Distance	31x20.7mm 87-122mm
			81201 SMC - 1	Smallest Subject Size Working Distance	25.5x17mm 73-93mm
	38702 N50 3.5" Acrylic Wide Angle Dome Port	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV Zoom Range	37-24° 138-90° 65-100mm
			83203 WWL - C	Lens FOV Converted FOV Zoom Range	84-46° 130-71° 24-50mm
			¹ 83201 WWL - 1	Lens FOV Converted FOV Zoom Range	75-37° 130-64° 28-65mm
			83202 WWL - 1B	Lens FOV Converted FOV Zoom Range	75-37° 130-64° 28-65mm
38702 N50 3.5" Acrylic Wide Angle Dome Port	83214 Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Smallest Subject Size Working Distance	23x13.3mm 45-72mm	
		81302 CMC - 2	Smallest Subject Size Working Distance	31x20.7mm 66-122mm	

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¹ We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
 Smallest subject size refers to the smallest width and height of a subject at the closest working distance.
 Working distance operates from the distance between the subject and the front element of the close-up lens.

* Recommended port system based on best optical performance
 * Secondary setup recommendation based on optical performance



COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

CAMERA (HOUSING)	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
CANON Canon Powershot G7XMKIII		83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 37-24° Converted FOV 138-90° Working Distance 65-100mm
	38703 N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	83214 Bayonet Mount Adaptor for SMC/CMC	1 83201 WWL - 1	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm
			83202 WWL - 1B	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm
			86201 MWL - 1	Lens FOV 37-34° Converted FOV 138-128° Working Distance 65mm
			81301 CMC - 1	Smallest Subject Size 33x22mm Working Distance 45-72mm
	38704 N50 Short Port 22 with Bayonet Mount <i>* change port from housing</i>	83214 Bayonet Mount Adaptor for SMC/CMC	81302 CMC - 2	Smallest Subject Size 41x27.3mm Working Distance 66-122mm
			83203 WWL - C	Lens FOV 84-46° Converted FOV 130-71° Working Distance 24-50mm
			1 83201 WWL - 1	Lens FOV 75-46° Converted FOV 130-80° Zoom Range 28-50mm
			83202 WWL - 1B	Lens FOV 75-46° Converted FOV 130-80° Zoom Range 28-50mm
	PANASONIC Panasonic Lumix DC-LX100II (17717 NA-LX100II) <i>* 24-75mm (35mm equivalent)</i> <i>* Port is exchangeable for this housing</i>	38702 N50 3.5" Acrylic Wide Angle Dome Port		
25107 M67 Flip Diopter Holder		81301 CMC - 1	Smallest Subject Size 33.5x22.3mm Working Distance 50-77mm	
		81302 CMC - 2	Smallest Subject Size 47x31.3mm Working Distance 76-130mm	
38703 N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>		83214 Bayonet Mount Adaptor for SMC/CMC	1 83201 WWL - 1	Lens FOV 75-57° Converted FOV 130-99° Zoom Range 28-40mm
			83202 WWL - 1B	Lens FOV 75-57° Converted FOV 130-99° Zoom Range 28-40mm
38704 N50 Short Port 22 with Bayonet Mount <i>* change port from housing</i>		83214 Bayonet Mount Adaptor for SMC/CMC	83203 WWL - C	Lens FOV 84-72° Converted FOV 130-112° Working Distance 24-30mm
			1 83201 WWL - 1	Lens FOV 75-72° Converted FOV 130-125° Zoom Range 28-30mm
			83202 WWL - 1B	Lens FOV 75-72° Converted FOV 130-125° Zoom Range 28-30mm

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
Smallest subject size refers to the smallest width and height of a subject at the closest working distance.
Working distance operates from the distance between the subject and the front element of the close-up lens.

* Recommended port system based on best optical performance
* Secondary setup recommendation based on optical performance



COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

	CAMERA (HOUSING)	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE			
PANASONIC	Panasonic Lumix DC-LX10 (LX15) (17714 NA-LX10) * 24-72mm (35mm equivalent) * Port is inexchangeable for this housing		SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81301 CMC - 1 81302 CMC - 2	Smallest Subject Size Working Distance Smallest Subject Size Working Distance	34x22.7mm 48-73mm 46x30.7mm 76-128mm		
			SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1 81302 CMC - 2	Smallest Subject Size Working Distance Smallest Subject Size Working Distance	34x22.7mm 48-73mm 46x30.7mm 76-128mm		
			83250 M67 to Bayonet Mount Converter II (included in all WWL-1 packaging)	83203 WWL - C ¹ 83201 WWL - 1	Lens FOV Converted FOV Zoom Range Lens FOV Converted FOV Zoom Range	70-34° 108-53° 32-72mm 58-34° 100-60° 38-72mm		
				83202 WWL - 1B	Lens FOV Converted FOV Zoom Range	58-34° 100-60° 38-72mm		
				86201 MWL - 1	Lens FOV Converted FOV Zoom Range	37-34° 138-128° 65-72mm		
		OLYMPUS	Olympus Tough TG5/TG6 (17812 NA-TG5 with M52 Thread) * 24-100mm (35mm equivalent) * Port is inexchangeable for this housing		83255 M52 to Bayonet Mount Converter for NA-TG5	83203 WWL - C ¹ 83201 WWL - 1 * WWL-1B is incompatible	Lens FOV Converted FOV Lens FOV Converted FOV Zoom Range	84-24° 130-37° 75-24° 130-42° 28-100mm
					SMC/CMC Option 1 - M67 Thread 38024 + 81228 M52 to M67 Step Up Adaptor Ring + M67 Spacer Ring for SMC/CMC (81228 is included in all SMC/CMC packaging)	81301 CMC - 1 81302 CMC - 2	Smallest Subject Size Working Distance Smallest Subject Size Working Distance	19x12.7mm 34-78mm 21x14mm 28.5-98mm
					SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1 81302 CMC - 2	Smallest Subject Size Working Distance Smallest Subject Size Working Distance	19x12.7mm 34-78mm 21x14mm 28.5-98mm
38024 + 83211 M52 to M67 Step Up Adaptor Ring + M67 Mounting Ring for WWL-1 (83211 is included in all WWL-1 packaging)	83201 WWL - 1 * WWL-1B is incompatible				Lens FOV Converted FOV Zoom Range	75-24° 130-42° 28-100mm		
OLYMPUS	Olympus Tough TG5/TG6 (17816 NA-TG6 with Bayonet Mount) * 24-100mm (35mm equivalent) * Port is inexchangeable for this housing			83203 WWL - C ¹ 83201 WWL - 1 * WWL-1B is incompatible	Lens FOV Converted FOV Lens FOV Converted FOV Zoom Range	84-24° 130-37° 75-24° 130-42° 28-100mm		
			83214 Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1 81302 CMC - 2	Smallest Subject Size Working Distance Smallest Subject Size Working Distance	19x12.7mm 34-78mm 21x14mm 28.5-98mm		

¹. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
Smallest subject size refers to the smallest width and height of a subject at the closest working distance.
Working distance operates from the distance between the subject and the front element of the close-up lens.

* Recommended port system based on best optical performance
* Secondary setup recommendation based on optical performance



COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

	CAMERA (HOUSING)	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
OLYMPUS	Olympus PT-058/ PT-059 Underwater Housing		83256 Bayonet Mount Converter for Olympus PT-058/PT-059	83203 WWL - C ¹ 83201 WWL - 1 * WWL-1B is incompatible	Lens FOV Converted FOV Lens FOV Converted FOV Zoom Range 84-24° 130-37° 75-24° 130-42° 28-100mm

¹ We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.
Smallest subject size refers to the smallest width and height of a subject at the closest working distance.
Working distance operates from the distance between the subject and the front element of the close-up lens.

* Recommended port system based on best optical performance
* Secondary setup recommendation based on optical performance