



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 N120 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	
						81302 CMC - 2	Max. Magnification 1.4X Working Distance 16-109mm	
			22110 N120 Extension Ring 10 II	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	
						81302 CMC - 2	Max. Magnification 1.4X Working Distance 16-109mm	
		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	
						81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	
				22120 N120 Extension Ring 20 II	18701 Macro port 60	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
							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°/160°			
				81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm			
			22120 N120 Extension Ring 20 II	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	
						81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	
						83250 M67 to Bayonet Mount Converter II	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm
							81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm
STANDARD ZOOM FX	Nikkor Z 24-50mm f/4-6.3 Lens	19163 NZ2450-Z	22120 N120 Extension Ring 20 II	* 18809 180mm Optical Glass Wide Angle Port	83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2	Lens FOV 23° Converted FOV 60°/100°/130°/160°	
			22130 N120 Extension Ring 30 II	18802 8.5" Acrylic Dome Port		81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm	
				18812 230mm Optical Glass Wide Angle Port II		81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	

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 Format Lens)

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
STANDARD ZOOM FX	Nikkor Z 24-50mm f/4-6.3 Lens	19163 NZ2450-Z			18707 N120 Macro Port 6	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 49-75mm	
						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 49-75mm	
	Nikkor Z 24-70mm f/2.8 S Lens	19157 NZ2470f2.8S-Z		22125 N120 Extension Ring 25 II	85204 N120 WACP - 2				Lens FOV 84-46° Converted FOV 98-56°
				22170 N120 Extension Ring 70 II					
Nikkor Z 24-70mm f/4 S Lens	19154 NZ2470-Z		22120 N120 Extension Ring 20 II	85201 N120 WACP - 1				Lens FOV 75-70° Converted FOV 130-121° Zoom Range 28-32mm	
			21320 N120 to N100 20mm Port Adaptor					85205 N100 WACP - C	Lens FOV 75-70° Converted FOV 130-121° Zoom Range 28-32mm
			22140 N120 Extension Ring 40 II	18802 8.5" Acrylic Dome Port	* 18809 180mm Optical Glass Wide Angle Port	18812 230mm Optical Glass Wide Angle Port II			
Nikkor Z 28-75mm f/2.8 Lens	19162 NZ2875-Z		22135 N120 Extension Ring 35 II	85201 N120 WACP - 1				Lens FOV 75-48° Converted FOV 130-83° Zoom Range 28-48mm	
			22180 N120 Extension Ring 80 II					18802 8.5" Acrylic Dome Port	18809 180mm Optical Glass Wide Angle Port
			22170 N120 Extension Ring 70 II	18815 250mm Optical Glass Wide Angle Port II					
WIDE ANGLE FX	Nikkor Z 14-24mm f/2.8 S	19160 NZ1424-Z		21110 N120 Extension Ring 10	85204 N120 WACP - 2			Lens FOV 114-87° Converted FOV 140-98°	

* Please refer to the following page for more setup options

* This setup is only compatible with WACP-2 before SN:A526311

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 Lenses)

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
WIDE ANGLE FX	Nikkor Z 14-24mm f/2.8 S	19160 NZ1424-Z		22110 N120 Extension Ring 10 II	85204 N120 WACP - 2	Lens FOV 114-87° Converted FOV 140-98°
				22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port	
				22155 N120 Extension Ring 55 II	18802 8.5" Acrylic Dome Port	
				* 18812 230mm Optical Glass Wide Angle Port II		
				18815 250mm Optical Glass Wide Angle Port II		
					<i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>	
	Nikkor Z 14-30mm f/4 S	19156 NZ1430-Z		22150 N120 Extension Ring 50 II	85204 N120 WACP - 2	Lens FOV 114-72° Converted FOV 140-81°
					18802 8.5" Acrylic Dome Port	
					* 18812 230mm Optical Glass Wide Angle Port II	
	Nikkor Z 35mm f1.8 S				85201 N120 WACP - 1	Lens FOV 63° Converted FOV 110°
SONY E-MOUNT	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS with Megadap ETZ 21 Adaptor	19158 NE2870-Z		22120 N120 Extension Ring 20 II	85201 N120 WACP - 1	Lens FOV 75-34° Converted FOV 130-59°
				21315 N120 to N100 15mm Port Adaptor	85205 N100 WACP - C	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