



## 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 <b>81228</b> 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 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Max. Magnification 1.6X Working Distance 8-64mm	
						81302 CMC - 2	Max. Magnification 1.4X Working Distance 16-109mm	
	Nikkor Z MC 105mm f/2.8 VR S Macro	19161 NZ105VR-F		18708 Macro Port 80	SMC/CMC Option 1 - M67 Thread <b>81228</b> 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 <b>83250 + 83214</b> 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°			
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	SMC/CMC Option 1 - M67 Thread <b>81228</b> 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	
			22130 N120 Extension Ring 30 II	18802 8.5" Acrylic Dome Port		81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	
	* Please refer to the following page for more setup options				SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> 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°		

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	21330 N120 to N100 Port Converter		85201 N120 WACP - 1			Lens FOV 84-47° Converted FOV 130-81° Zoom Range 28-50mm	
					85205 N100 WACP - C			Lens FOV 84-47° Converted FOV 130-81° Zoom Range 28-50mm	
					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	
						83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	83203 WWL-C	Lens FOV 84-47° Converted FOV 130-81° Zoom Range 24-50mm	
	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	18802 8.5" Acrylic Dome Port			
						* 18809 180mm Optical Glass Wide Angle Port			
						18812 230mm Optical Glass Wide Angle Port II			
	Nikkor Z 24-70mm f/4 S Lens	19154 NZ2470-Z		21320 N120 to N100 20mm Port Adaptor	22120 N120 Extension Ring 20 II	85201 N120 WACP - 1			Lens FOV 75-70° Converted FOV 130-121° Zoom Range 28-32mm
						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				
					* 18812 230mm Optical Glass Wide Angle Port II				
				22170 N120 Extension Ring 70 II	18815 250mm 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	PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
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°
						<i>* This setup is only compatible with WACP-2 before SN:A526311</i>
				22110 N120 Extension Ring 10 II	85204 N120 WACP - 2	Lens FOV 114-87° Converted FOV 140-98°
						<i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>
				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	
		Nikkor Z 14-30mm f/4 S	19156 NZ1430-Z		22150 N120 Extension Ring 50 II	85204 N120 WACP - 2
					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
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