



## 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	
					<i>* This setup is only compatible with 18706 before SN:A524910</i>	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	
					<i>* This setup is only compatible with 18706 SN:A524910 onwards</i>	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	
					<i>* This setup is only compatible with 18706 SN:A524910 onwards</i>	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	
				21120 / 22120 N120 Extension Ring 20 I / 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
						<i>* This setup is only compatible with 18706 SN:A524910 onwards</i>	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	21120 / 22120 N120 Extension Ring 20 I / II	* 18809 180mm Optical Glass Wide Angle Port	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm		
				<i>* Please refer to the following page for more setup options</i>	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm		
			21130 / 22130 N120 Extension Ring 30 I / II	18802 8.5" Acrylic Dome Port	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	
					<i>* Please refer to the following page for more setup options</i>	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	
			18812 230mm Optical Glass Wide Angle Port 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			18707 N120 Macro Port 6	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 0.9X Working Distance 49-75mm			
						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 0.9X Working Distance 49-75mm		
	Nikkor Z 24-70mm f/2.8 S Lens	19157 NZ2470f2.8S-Z		21125 / 22125 N120 Extension Ring 25 I / II	85204 N120 WACP - 2				Lens FOV 84-46° Converted FOV 98-56°		
									21170 / 22170 N120 Extension Ring 70 I / II	18802 8.5" Acrylic Dome Port	* 18809 180mm Optical Glass Wide Angle Port
Nikkor Z 24-70mm f/4 S Lens	19154 NZ2470-Z		21120 / 22120 N120 Extension Ring 20 I / 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		
					21140 / 22140 N120 Extension Ring 40 I / II	85201 N120 WACP - 1					Lens FOV 75-48° Converted FOV 130-83° Zoom Range 28-48mm
											18802 8.5" Acrylic Dome Port
Nikkor Z 28-75mm f/2.8 Lens	19162 NZ2875-Z		21135 / 22135 N120 Extension Ring 35 I / II	85201 N120 WACP - 1				Lens FOV 75-48° Converted FOV 130-83° Zoom Range 28-48mm			
								21180 / 22180 N120 Extension Ring 80 I / II	18802 8.5" Acrylic Dome Port	18809 180mm Optical Glass Wide Angle Port	* 18812 230mm Optical Glass Wide Angle Port II
								21170 / 22170 N120 Extension Ring 70 I / 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	
<b>WIDE ANGLE FX</b>	Nikkor Z 14-24mm f/2.8 S	<b>19160</b> NZ1424-Z		<b>22110</b> N120 Extension Ring 10 I / II	<b>85204</b> N120 WACP - 2	Lens FOV 114-87° Converted FOV 140-98°	
				<b>21140 / 22140</b> N120 Extension Ring 40 I / II	<b>18809</b> 180mm Optical Glass Wide Angle Port	* This setup is only compatible with WACP-2 SN:A526311 onwards	
				<b>21155 / 22155</b> N120 Extension Ring 55 I / II	<b>18802</b> 8.5" Acrylic Dome Port		
	Nikkor Z 14-30mm f/4 S	<b>19156</b> NZ1430-Z		<b>21150 / 22150</b> N120 Extension Ring 50 I / II	<b>85204</b> N120 WACP - 2	Lens FOV 114-72° Converted FOV 140-81°	
					<b>18802</b> 8.5" Acrylic Dome Port		
					<b>* 18812</b> 230mm Optical Glass Wide Angle Port II		
	Nikkor Z 35mm f1.8 S				<b>85201</b> N120 WACP - 1	Lens FOV 63° Converted FOV 110°	
<b>SONY E-MOUNT</b>	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS with Megadap ETZ 21 Adaptor	<b>19158</b> NE2870-Z			<b>21120 / 22120</b> N120 Extension Ring 20 I / II	<b>85201</b> N120 WACP - 1	Lens FOV 75-34° Converted FOV 130-59°
					<b>21315</b> N120 to N100 15mm Port Adaptor	<b>85205</b> N100 WACP - C	Lens FOV 75-34° Converted FOV 130-59°
<b>NIKON F-MOUNT</b>	Nikon F-mount Lenses with Nikon Adaptor FTZ					<b>N120 Nikon F-Mount Port System</b>	

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