



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

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE			
MACRO FX	Nikkor Z 35mm f1.8 S		21110 Extension Ring 10	* 85201 WACP - 1	83250 M67 to Bayonet Mount Converter II	83201 WWL - 1	Lens FOV 63° Converted FOV 110°			
				18706 Macro Port 12			83202 WWL - 1B	Lens FOV 63° Converted FOV 110°		
	Nikkor Z MC 105mm f/2.8 VR S Macro	19161 NZ105VR-F			18708 N120 Macro Port 80	SMC/CMC Option 1 - M67 Thread	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm		
						81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm		
						SMC/CMC Option 2 - Bayonet Mount	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm		
						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		
						83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2	Lens FOV 23° Converted FOV 60°/100°/130°		
						21120 Extension Ring 20 with Lock	18701 Macro port 60	SMC/CMC Option 1 - M67 Thread	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm
								81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm
								SMC/CMC Option 2 - Bayonet Mount	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm
			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					
			83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2	Lens FOV 23° Converted FOV 60°/100°/130°					
STANDARD ZOOM FULL FRAME	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			
							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



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	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
<b>STANDARD ZOOM</b> FULL FRAME	Nikkor Z 24-70mm f/4 S Lens	<b>19154</b> NZ2470-Z	<div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>21120</b> Extension Ring 20 with Lock  <div style="border: 1px solid black; width: 100px; height: 100px;"></div> <b>21140</b> Extension Ring 40 with Lock	<div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>* 85201</b> WACP - 1  <div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>18802</b> 8.5" Acrylic Dome Port  <div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>* 18809</b> 180mm Optical Glass Wide Angle Port  <div style="border: 1px solid black; width: 100px; height: 100px;"></div> <b>18812</b> 230mm Optical Glass Wide Angle Port II	Lens FOV 75-70° Converted FOV 130-121° Zoom Range 28-32mm
<b>WIDE ANGLE</b> FULL FRAME	Nikkor Z 14-24mm f/2.8 S	<b>19160</b> NZ1424-Z	<div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>21110</b> Extension Ring 10 with Screws  <div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>21140</b> Extension Ring 40 with Lock  <div style="border: 1px solid black; width: 100px; height: 100px;"></div> <b>21155</b> Extension Ring 55 with Lock	<div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>* 85204</b> WACP - 2  <div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>18809</b> 180mm Optical Glass Wide Angle Port  <div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>18802</b> 8.5" Acrylic Dome Port  <div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>* 18812</b> 230mm Optical Glass Wide Angle Port II  <div style="border: 1px solid black; width: 100px; height: 100px;"></div> <b>18815</b> 250mm Optical Glass Wide Angle Port II	Lens FOV 114-87° Converted FOV 140-98°
<b>SONY</b> E-MOUNT	Nikkor Z 14-30mm f/4 S	<b>19156</b> NZ1430-Z	<div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>21150</b> Extension Ring 50 with Lock	<div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>* 85204</b> WACP - 2  <div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <b>18802</b> 8.5" Acrylic Dome Port  <div style="border: 1px solid black; width: 100px; height: 100px;"></div> <b>* 18812</b> 230mm Optical Glass Wide Angle Port II	Lens FOV 114-72° Converted FOV 140-81°
<b>SONY</b> E-MOUNT	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS with Techart PRO Autofocus Adaptor	<b>19158</b> NE2870-Z	<b>21120</b> Extension Ring 20 with Lock	<b>85201</b> WACP - 1	Lens FOV 75-34° Converted FOV 130-59°
<b>NIKON</b> F-MOUNT	Nikon F-mount Lenses with Nikon Adaptor FTZ			<b>N120 Nikon F-Mount Port System</b>	

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