



# 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			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 83250 M67 to Bayonet Mount Converter II (included in all MWL-1 packaging)	81301 CMC-1 81302 CMC-2 81501 MFO-1 81503 MFO-3	Max. Magnification 1.4X Working Distance 4-73mm Max. Magnification 1.2X Working Distance 11-123mm Max. Magnification 1.1X Working Distance 12-1120mm On DX Sensor Max. Magnification 2.4X Working Distance 0-1500mm Lens FOV 26.5° Converted FOV 44°
	Nikon AF-S VR Micro-NIKKOR 105mm f/2.8G IF-ED	19122 N105VR-F			18702 Macro Port 87	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 83250 M67 to Bayonet Mount Converter II	81202 SMC-2 81203 SMC-3 81501 MFO-1 81503 MFO-3	Max. Magnification 4.2X Working Distance 24-38mm Max. Magnification 2.4X Working Distance 51-103mm Max. Magnification 1.2X Working Distance 125-1080mm Max. Magnification 0.8X Working Distance 5-1490mm Lens FOV 23° Converted FOV 38°
STANDARD ZOOM DX	Sigma 18-35mm F1.8 DC HSM   A	19146 SN1835F1.8-Z		22180 N120 Extension Ring 80 II	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	81202 SMC-2	Max. Magnification 4.2X Working Distance 24-38mm
				22150 + 22150 N120 Extension Ring 50 II + N120 Extension Ring 50 II	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			
STANDARD ZOOM FX	Nikon AF-S NIKKOR 24-85mm f/3.5-4.5G ED VR	19139 N2485-Z		22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port			
	Nikon AF-S Nikkor 28mm f/1.8 G			21320 N120 to N100 20mm Port Adaptor	22120 N120 Extension Ring 20 II	* 85206 N120/N100 WACP-1B 85205 N100 WACP-C		Lens FOV 75° Converted FOV 130°
	Nikon AF Nikkor 28mm f/2.8D			22135 N120 Extension Ring 35 II	* 85206 N120/N100 WACP-1B 85207 N120/N100 FCP-1			Lens FOV 75° Converted FOV 170°
	Nikon AF Nikkor 28-70mm f/3.5-4.5D	19148 N2870F3.5D-Z		21320 N120 to N100 20mm Port Adaptor	22120 + 22125 N120 Extension Ring 20 II + N120 Extension Ring 25 II	* 85206 N120/N100 WACP-1B 85205 N100 WACP-C 85207 N120/N100 FCP-1		Lens FOV 75-34° Converted FOV 130-59° Lens FOV 75-34° Converted FOV 170-62°
WIDE ANGLE DX	Nikon AF-S DX NIKKOR 10-24mm f/3.5-4.5G ED	19135 N1024-Z		22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port			
	Sigma 10-20mm F4-5.6 EX DC HSM	19126 SN1020-Z		22140 N120 Extension Ring 40 II	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			
	Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	19128 TN1116-Z		22150 N120 Extension Ring 50 II	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			
WIDE ANGLE FX	Nikon AF-S NIKKOR 14-24mm f/2.8G ED	19131 N1424-Z		22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port * 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		22150 N120 Extension Ring 50 II	* 85204 N120 WACP-2 18802 8.5" Acrylic Dome Port 85206 N120/N100 WACP-1B		Lens FOV 105-63° Converted FOV 128-72°	
				22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port 85206 N120/N100 WACP-1B		On DX Sensor Lens FOV 75-45° Converted FOV 130-78° Zoom Range 18-35mm	
				22180 N120 Extension Ring 80 II	18809 180mm Optical Glass Wide Angle Port 85207 N120/N100 FCP-1		On Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm	
				22190 N120 Extension Ring 90 II	* 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II		On DX Sensor Lens FOV 75-44° Converted FOV 158-83° Zoom Range 20-35mm	
				22150 N120 Extension Ring 50 II	* 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II		On Full Frame Sensor Lens FOV 75-63° Converted FOV 170-122° Zoom Range 28-35mm * slight vignetting at 28mm	
	Nikon AF-S 17-35mm f/2.8D IF-ED	19130 N1735-Z		22130 N120 Extension Ring 30 II	* 85204 N120 WACP-2		Lens FOV 104-63° Converted FOV 123-72°	
				22150 N120 Extension Ring 50 II	85206 N120/N100 WACP-1B		On DX Sensor Lens FOV 75-45° Converted FOV 130-78° Zoom Range 18-35mm	
				22160 N120 Extension Ring 60 II	85207 N120/N100 FCP-1		On Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm	
				22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II		On DX Sensor Lens FOV 75-44° Converted FOV 170-122° Zoom Range 18-35mm	
Nikon AF-S 18-35mm f/3.5-4.5G ED	19141 N1835-Z		22140 N120 Extension Ring 40 II	* 85206 N120/N100 WACP-1B		On DX Sensor Lens FOV 77-45° Converted FOV 130-78°		
			22160 N120 Extension Ring 60 II	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 Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109°		
Sigma 14-24mm F2.8 DG HSM   Art	19153 SN1424A-Z		22160 N120 Extension Ring 60 II * This setup is not compatible with Extension Rings I before SN.A142566	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		On DX Sensor Lens FOV 77-45° Converted FOV 130-78°		
			22170 N120 Extension Ring 70 II * This setup is not compatible with Extension Rings I before SN.A201966	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II		On Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109°		
Sigma 20mm F4 DG HSM   A			22160 N120 Extension Ring 60 II	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 10mm F2.8 EX DC HSM Fisheye			22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II				
FISHEYE DX	Nikon AF-S Fisheye NIKKOR 8-15mm f/3.5-4.5E ED	19150 N815-Z		22120 N120 Extension Ring 20 II	18802 8.5" Acrylic Dome Port * 18811 140mm Optical Glass Fisheye Dome Port with Removable Shade 18812 230mm Optical Glass Wide Angle Port II 18803 4.33" Acrylic dome port		Max. Magnification 1.4X Working Distance 4-73mm * Shade can be removed for circular fisheye effect at 8mm * Shade can be removed for circular fisheye effect at 8mm	
	Nikon AF-S Fisheye 8-15mm f/3.5-4.5E ED with Kenko 1.4x Teleplus Pro 300 5GX	19151 N815-Z+1.4		22140 N120 Extension Ring 40 II	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 Fisheye 16mm f/2.8D			22150 N120 Extension Ring 50 II	18803 4.33" Acrylic dome port 18802 8.5" Acrylic Dome Port 18810 140mm Optical Glass Fisheye 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 Nauticam underwater optics based on best underwater optical performance
- \* Recommended Port System

Last Updated : 2025-08-26  
\* This port chart is subject to updating as new information becomes available