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 **82258 + 82214** M67to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	**81301** CMC - 1 **81302** CMC - 2 **81501** MFO-1 **81503** MFO-3	Max. Magnification 1.4X Working Distance 4.72mm Max. Magnification 1.2X Working Distance 11-123mm Max. Magnification 1.1X Working Distance 12-1120mm On DX Sensor Max. Magnification 0.5X Working Distance 0-1500mm Lens FOV 26.5° Converted FOV 44°
	Nikon AF-S Micro NIKKOR 60mm f/2.8G ED with HOYA +4 Diopter	**19121** N60G-F			**18701** Macro Port 60	**82250** M67 to Bayonet Mount Converter II *(included in all M67 I packaging)*	**86201** MML - 1	Lens FOV 39° Converted FOV 150°
	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 **82258 + 82214** M67to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	**81302** 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 0.6X Working Distance 0-1140mm Lens FOV 23° Converted FOV 38°
						82250 M67 to Bayonet Mount Converter II	**87301** EMWL Set #1	Lens FOV 23.3° Converted FOV 60°/100°/130°/160°
				21130 / 22130 N120 Extension Ring 30 / 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 **82258 + 82214** M67to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	**81202** SMC - 2	Max. Magnification 4.2X Working Distance 24-38mm
STANDARD ZOOM DX	**Sigma 10-35mm F1.8 DC HSM | A**	**19146** SN18335T1.8-Z		**21180 / 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			
				21190 N120 Extension Ring 90 I	**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		**21150 / 22150** N120 Extension Ring 50 / II	**18802** 8.5" Acrylic Dome Port			
	Nikon AF-S Nikkor 28mm f/1.8 G		**21220** N120 to N100 20mm Port Adaptor	**21120 / 22120** N120 Extension Ring 20 / II	*** 85206** N120/N100 WACP - 1B		Lens FOV 75° Converted FOV 130°	
					85205 N120 WACP - C			
				21135 / 22135 N120 Extension Ring 35 / II	**85207** N120/N100 FOP - 1		Lens FOV 75° Converted FOV 170°	
	Nikon AF Nikkor 28mm f/2.8D				*** 85206** N120/N100 WACP - 1B		Lens FOV 75° Converted FOV 130°	
	Nikon AF Nikkor 28-70mm f/3.5-4.5D	**19148** N2870S1.5D-Z		**21135 / 22135** N120 Extension Ring 35 / II	*** 85206** N120/N100 WACP - 1B		Lens FOV 75-34° Converted FOV 130-59°	
			21329 N120 to N100 29.3mm Port Adaptor		**85205** N120 WACP - C			
				22120 + 22125 N120 Extension Ring 20 II + N120 Extension Ring 25 II	**85207** N120/N100 FOP - 1		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		**21150 / 22150** N120 Extension Ring 50 / II	**18802** 8.5" Acrylic Dome Port			
	Sigma 10-20mm F4-5.6 EX DC HSM	**19126** SN1020-Z		**21140 / 22140** N120 Extension Ring 40 / II	**18809** 180mm Optical Glass Wide Angle Port			
				21150 / 22150 N120 Extension Ring 50 / II	**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		**21150 / 22150** N120 Extension Ring 50 / II	**18802** 8.5" Acrylic Dome Port			
					18809 180mm Optical Glass Wide Angle Port			
				21160 / 22160 N120 Extension Ring 60 / II	*** 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		**21170 / 22170** N120 Extension Ring 70 / II	**18802** 8.5" Acrylic Dome Port			
				21180 / 22180 N120 Extension Ring 80 / II	*** 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		**21150 / 22150** N120 Extension Ring 50 / II	*** 85204** N120 WACP - 2		Lens FOV 105-63° Converted FOV 139-72°	
				21170 / 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	
							On Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm	
				21180 / 22180 N120 Extension Ring 80 / II	**18809** 180mm Optical Glass Wide Angle Port			
					85207 N120/N100 FOP - 1		On DX Sensor Lens FOV 75-44° Converted FOV 158-83° Zoom Range 20-35mm	
							On Full Frame Sensor Lens FOV 75-63° Converted FOV 170-122° Zoom Range 28-35mm * slight vignetting at 20mm	
				21190 / 22190 N120 Extension Ring 90 I / II	*** 18812** 230mm Optical Glass Wide Angle Port II			
					18815 250mm Optical Glass Wide Angle Port II			
	Nikon AF-S 17-35mm f/2.8D IF-ED	**19130** N1735-Z		**21130 / 22130** N120 Extension Ring 30 / II	**85204** N120 WACP - 2		Lens FOV 104-63° Converted FOV 139-72°	
				21150 / 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	
							On Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm	
				21160 / 22160 N120 Extension Ring 60 / II	**85207** N120/N100 FOP - 1		On DX Sensor Lens FOV 75-44° Converted FOV 170-83° Zoom Range 18-35mm	
							On Full Frame Sensor Lens FOV 75-63° Converted FOV 170-122° Zoom Range 28-35mm	
				21170 / 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 18-35mm f/3.5-4.5G ED	**19141** N1835-Z		**21140 / 22140** N120 Extension Ring 40 / II	*** 85206** N120/N100 WACP - 1B		On DX Sensor Lens FOV 77-45° Converted FOV 130-78°	
							On Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109°	
				21160 / 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			
	Sigma 14-24mm F2.8 DG HSM | Art	**19153** SN1424A-Z		**21160 / 22160** N120 Extension Ring 60 / II	**18809** 180mm Optical Glass Wide Angle Port			
				** This setup is not compatible with Extension Rings I before SN A14356A*				
				21170 / 22170 N120 Extension Ring 70 / II	**18802** 8.5" Acrylic Dome Port			
				** This setup is not compatible with Extension Rings I before SN A20196A*	*** 18812** 230mm Optical Glass Wide Angle Port II			
					18815 250mm Optical Glass Wide Angle Port II			
	Sigma 20mm F4 DG HSM | A			**21160 / 22160** N120 Extension Ring 60 / II	**18809** 180mm Optical Glass Wide Angle Port			
				21170 / 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	**Sigma 10mm F2.8 EX DC HSM Fisheye**				**18802** 8.5" Acrylic Dome Port			
FISHEYE FX	**Nikon AF-S Fisheye NIKKOR 8-15mm f/3.5-4.5E ED**	**19150** N815-Z		**21120 / 22120** N120 Extension Ring 20 / II	**18802** 8.5" Acrylic Dome Port *Shade can be removed for circular fisheye effect at 8mm*			
					18811 140mm Optical Glass Fisheye Dome Port with Removable Shade *Shade can be removed for circular fisheye effect at 8mm*			
					18812 230mm Optical Glass Wide Angle Port II *Shade can be removed for circular fisheye effect at 8mm*			
					*** 18816** 140mm Optical Glass Fisheye Dome Port with Removable Shade II *Shade can be removed for circular fisheye effect at 8mm*			
				21130 / 22130 N120 Extension Ring 30 / II	**18803** 4.33" Acrylic dome port			
	Nikon AF-S Fisheye 8-15mm f/3.5-4.5E ED with Kenko 1.4x Teleplus Pro 300 DGX	**19151** N815-Z+1.4		**21140 / 22140** N120 Extension Ring 40 / II	**18802** 8.5" Acrylic Dome Port			
					18811 140mm Optical Glass Fisheye Dome Port with Removable Shade *Shade can be removed for circular fisheye effect at 8mm*			
					18812 230mm Optical Glass Wide Angle Port II			
				21120 / 22120 N120 Extension Ring 20 / II	*** 18816** 140mm Optical Glass Fisheye Dome Port with Removable Shade II *Shade can be removed for circular fisheye effect at 8mm*			
				21150 / 22150 N120 Extension Ring 50 / II	**18803** 4.33" Acrylic dome port			
	Nikon AF Fisheye 16mm f/2.8D				**18802** 8.5" Acrylic Dome Port			
					18811 140mm Optical Glass Fisheye Dome Port with Removable Shade			
					*** 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 : 2026-05-15

** This port chart is subject to updating as new information becomes available*