N120 CINEMA PORT SYSTEM FOR EF & RF-MOUNT CAMERA SYSTEM

(RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	NET LENS	OPTICAL PERFORMANCE
MACRO (FULL FRAME)	**Canon EF 100mm f/2.8L Macro IS USM**	19933 C100II-F			18703 Macro Port M4	SMC/CMC Option 1- M67 Thread **B3208** M67 Bayonet Ring for SMC/CMC *(included at of SMC/CMC packaging)* SMC/CMC Option 2 - Bayonet Mount **B3209 + B3214** M67to Bayonet Mount Converter II + Bayonet Mount Adapter for SMC/CMC **B3250** M67 to Bayonet Mount Converter II	**B1302** SMC - 2 **B1303** SMC - 3 **B1501** MFO-1 **B1503** MFO-3 **B7302** DANG_Set_F2 **B7303** DANG_Set_F3 * slight signalling when shooting at high speed continuous and extra cut with DANG_T2X diag. objective lens	On both APS-C & Full Frame Sensor **Max. Magnification 2.8X** **Working Distance 23-29mm** On both APS-C & Full Frame Sensor **Max. Magnification 1.2X** **Working Distance 103-107mm** On Full Frame Sensor **Max. Magnification 0.9X** **Working Distance 0-149mm** **Lens FOV 24°** **Converted FOV 40°** On Full Frame Sensor **Lens FOV 22.4°** **Converted FOV 40°/50°/57°/67°**
	Canon RF 100mm f/2.8L Macro IS USM	19975 CRF100-F * *please contact us if DA control is needed*			18703 Macro Port M4	SMC/CMC Option 1- M67 Thread **B1228** M67 Bayonet Ring for SMC/CMC *(included at of SMC/CMC packaging)* SMC/CMC Option 2 - Bayonet Mount **B3209 + B3214** M67to Bayonet Mount Converter II + Bayonet Mount Adapter for SMC/CMC **B3250** M67 to Bayonet Mount Converter II	**B1302** SMC - 2 **B1303** SMC - 3 **B1501** MFO-1 **B1503** MFO-3 **B7302** DANG_Set_F2 **B7303** DANG_Set_F3 * slight signalling when shooting at high speed continuous and extra cut with DANG_T2X diag. objective lens	On both APS-C & Full Frame Sensor **Max. Magnification 2.2X** **Working Distance 19-25mm** On both APS-C & Full Frame Sensor **Max. Magnification 2.2X** **Working Distance 20-100mm** On both APS-C & Full Frame Sensor **Max. Magnification 1.4X** **Working Distance 50-107mm** On Full Frame Sensor **Max. Magnification 0.9X** **Working Distance 0-149mm** **Lens FOV 24°** **Converted FOV 40°** On Full Frame Sensor **Lens FOV 24°** **Converted FOV 40°/50°/57°/67°**
STANDARD ZOOM (APS-C)	**Sigma 17-70mm F2.8-4 DC Macro OS HSMC**	16331 RSC17TOSSC Gear Set		**22140** N120 Extension Ring 40.0	**10802** 8.5" Acrylic Dome Port **18812** 230mm Optical Glass Wide Angle Port II			
STANDARD ZOOM (FULL FRAME)	**Canon RF 24-50mm f/4.5-6.3 IS STM**	16347 RF24SG Gear Set	**21315** N120 to N100 15mm Port Adaptor	**22110** N120 Extension Ring 10.0 **22120** N120 Extension Ring 20.0	**18709** N120 Flat Port 27T with Bayonet Mount * *Mount the lens before entering the camera into housing*	**B5205** N100 MAOP - C **B5206** N120/N100 MAOP - 18 **B5207** N120/N100 FOP - 1	**B1301** CMC - 1 **B1302** CMC - 2 **B3203** WML-C	**Max. Magnification 0.9X** **Working Distance 48-75mm** **Max. Magnification 0.7X** **Working Distance 74-123mm** **Lens FOV 84-46.8°** **Converted FOV 120-72°** On APS-C Sensor **Lens FOV 59-30°** **Converted FOV 114-57°** On Full Frame Sensor **Lens FOV 75-40°** **Converted FOV 119-67°** **Zoom Range 28-50mm**
	Canon RF 24-70mm f/2.8L IS USM	16346 RF2470 Gear Set		**22160** N120 Extension Ring 60.0 **22125 + 22150** N120 Extension Ring 25.0 + 50.0	**10802** 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			
	Canon RF 28-70mm f/2L USM	16343 RC28TOS Gear Set		**22140** N120 Extension Ring 40.0 **22160** N120 Extension Ring 60.0 **22180** N120 Extension Ring 80.0	**10802** 8.5" Acrylic Dome Port **18812** 230mm Optical Glass Wide Angle Port II **10802** 8.5" Acrylic Dome Port * This setup is only compatible with 10802 SN:A491459 onwards **18809** 180mm Optical Glass Wide Angle Port * This setup is only compatible with 18809 SN:A531926 onwards **18815** 250mm Optical Glass Wide Angle Port II	**B5204** N120 MAOP - 2 * This setup is only compatible with MAOP 2 SN:A532611 onwards	On Full Frame Sensor **Lens FOV 75-43°** **Converted FOV 85-72°** **Zoom Range 28-35mm**
	Canon EF 28-80mm f/3.5-5.6 V USM	16344 CS80VUSM Gear Set		**22130** N120 Extension Ring 30.0 **22110 + 22130** N120 Extension Ring 10.0 + N120 Extension Ring 30.0	**B5206** N120/N100 MAOP - 18 **B5207** N120/N100 FOP - 1 * *slight signalling at 28mm – 31mm*			On APS-C Sensor **Lens FOV 51-19°** **Converted FOV 89-33°** On Full Frame Sensor **Lens FOV 76-30°** **Converted FOV 126-53°** On Full Frame Sensor **Lens FOV 75-30°** **Converted FOV 126-53°**
			21325 N120 to N100 25mm Port Adaptor			**B5205** N100 MAOP - C		On APS-C Sensor **Lens FOV 51-23°** **Converted FOV 89-40°** On Full Frame Sensor **Lens FOV 75-31°** **Converted FOV 126-54°** **Zoom Range 28-77mm**
WIDE ANGLE (APS-C)	**Canon EF-S 10-18mm f/4.5-5.6 IS STM**	16340 RC1018 Gear Set				**B5204** N120 MAOP - 2		On APS-C Sensor **Lens FOV 108-75°** **Converted FOV 139-93°**
	Canon EF-S 10-22mm f/3.5-4.5 USM	16303 + 16304 RC1022-F + RC1022-F		**21118** N120 Extension Ring 10 **22110** N120 Extension Ring 10.0 **22120** N120 Extension Ring 20.0 **22160** N120 Extension Ring 60.0	**B5204** N120 MAOP - 2 * This setup is only compatible with MAOP 2 before SN:A526311 **B5204** N120 MAOP - 2 * This setup is only compatible with MAOP 2 SN:A526311 onwards **23211** 8.5" white balance acrylic dome port **10802** 8.5" Acrylic Dome Port **18812** 230mm Optical Glass Wide Angle Port II **18815** 250mm Optical Glass Wide Angle Port II			On APS-C Sensor **Lens FOV 108-50°** **Converted FOV 133-72°**
	Sigma 8-16mm F4.5-5.6 DC HSM	16305 + 16306 RSC8-16-F + RSC8TO-F		**22140** N120 Extension Ring 40.0 **22150** N120 Extension Ring 50.0	**18809** 180mm Optical Glass Wide Angle Port **10802** 8.5" Acrylic Dome Port **18812** 230mm Optical Glass Wide Angle Port II **18815** 250mm Optical Glass Wide Angle Port II			
	**Sigma 12-24mm F4 DG HSM	Art**	16337 RSC12DG4 Gear Set		**22150** N120 Extension Ring 50.0 * *This setup is not compatible with Extension Rings I before SN:A721111* **22160** N120 Extension Ring 60.0 * *This setup is not compatible with Extension Rings I before SN:A743066*	**18815** 250mm Optical Glass Wide Angle Port II **18812** 230mm Optical Glass Wide Angle Port II		
	Tokina AT-X 11-20mm F2.8 PRO DX	16328 RTO1120 Gear Set		**22120** N120 Extension Ring 20.0 **22160** N120 Extension Ring 60.0	**B5204** N120 MAOP - 2 **10802** 8.5" Acrylic Dome Port **18809** 180mm Optical Glass Wide Angle Port II **18812** 230mm Optical Glass Wide Angle Port II **18815** 250mm Optical Glass Wide Angle Port II			On APS-C Sensor **Lens FOV 100-68°** **Converted FOV 118-78°**
WIDE ANGLE (FULL FRAME)	**Canon RF 10-20mm f/4 L IS STM**	16342 Gear Set		**22120** N120 Extension Ring 20.0 **22110** N120 Extension Ring 10.0	**10802** 8.5" Acrylic Dome Port **18812** 230mm Optical Glass Wide Angle Port II **18815** 250mm Optical Glass Wide Angle Port II * This setup is only compatible with 18815 SN:A470614 onwards			
	Canon RF 14-35mm f/4L IS USM	16342 CR1435 Gear Set		**21110** N120 Extension Ring 10 **22110** N120 Extension Ring 10.0 **22140** N120 Extension Ring 40.0	**B5204** N120 MAOP - 2 * This setup is only compatible with MAOP 2 before SN:A526311 **B5204** N120 MAOP - 2 * This setup is only compatible with MAOP 2 SN:A526311 onwards **18809** 180mm Optical Glass Wide Angle Port **B5207** N120/N100 FOP - 1			On APS-C Sensor **Lens FOV 89-42°** **Converted FOV 134-68°** On Full Frame Sensor **Lens FOV 114-53°** **Converted FOV 145-72°** On APS-C Sensor **Converted FOV 170-79°** **Zoom Range 19-35mm** On Full Frame Sensor **Converted FOV 170-127°** **Zoom Range 28-35mm** * *slight signalling at 28mm*
				22150 N120 Extension Ring 50.0	**10802** 8.5" Acrylic Dome Port **18812** 230mm Optical Glass Wide Angle Port II **18815** 250mm Optical Glass Wide Angle Port II			Circular Fisheye (removal shade) Converted FOV 70°-72° **Zoom Range at 14mm only**
	Canon RF 15-35mm f/2.8L IS USM	16345 CR1535 Gear Set		**22125** N120 Extension Ring 50.0 **22120** N120 Extension Ring 20.0 **22150** N120 Extension Ring 50.0	**B5204** N120 MAOP - 2 **B5206** N120/N100 MAOP - 18 **18809** 180mm Optical Glass Wide Angle Port **18812** 230mm Optical Glass Wide Angle Port II **18815** 250mm Optical Glass Wide Angle Port II			On APS-C Sensor **Lens FOV 84-49°** **Converted FOV 101-59°** On Full Frame Sensor **Lens FOV 119-73°** **Converted FOV 133-81°** On APS-C Sensor **Lens FOV 75-40°** **Converted FOV 119-67°** **Zoom Range 18-35mm** On Full Frame Sensor **Lens FOV 75-72°** **Converted FOV 126-127°** **Zoom Range 28-35mm**
			21325 N120 to N100 25mm Port Adaptor			**B5205** N100 MAOP - C		On APS-C Sensor **Lens FOV 75-40°** **Converted FOV 119-67°** **Zoom Range 18-35mm**
	Canon RF 15-35mm f/2.8L IS USM	16341 CR1535 Gear Set		**22125** N120 Extension Ring 50.0 **22170** N120 Extension Ring 70.0 **22180** N120 Extension Ring 80.0	**B5204** N120 MAOP - 2 **10802** 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 APS-C Sensor **Lens FOV 84-42°** **Converted FOV 98-48°** On Full Frame Sensor **Lens FOV 119-63°** **Converted FOV 133-72°**
	Canon EF 16-35mm f/2.8 II USM	16311 + 16312 RC1635II + RC1635II-F		**22150** N120 Extension Ring 50.0 **22170** N120 Extension Ring 70.0 **22180** N120 Extension Ring 80.0 **22190** N120 Extension Ring 90.0	**B5204** N120 MAOP - 2 **10802** 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 APS-C Sensor **Lens FOV 84-49°** **Converted FOV 98-51°** On Full Frame Sensor **Lens FOV 107-63°** **Converted FOV 126-73°**
	Canon RF 16-35mm f/2.8 IS USM	16335 RC1635R Gear Set		**22150** N120 Extension Ring 50.0 **22170** N120 Extension Ring 70.0 **22180** N120 Extension Ring 80.0 **22190** N120 Extension Ring 90.0	**B5204** N120 MAOP - 2 **B5206** N120/N100 MAOP - 18 **18809** 180mm Optical Glass Wide Angle Port **10802** 8.5" Acrylic Dome Port **18812** 230mm Optical Glass Wide Angle Port II **18815** 250mm Optical Glass Wide Angle Port II			On APS-C Sensor **Lens FOV 84-44°** **Converted FOV 98-51°** On Full Frame Sensor **Lens FOV 107-63°** **Converted FOV 126-73°** On APS-C Sensor **Lens FOV 71-40°** **Converted FOV 123-70°** **Zoom Range 20-35mm** On Full Frame Sensor **Lens FOV 70-63°** **Converted FOV 130-109°** **Zoom Range 28-35mm**
	ZEISS Milvus 18mm f/2.8 ZE	16329 ZM17		**22150** N120 Extension Ring 50.0	**18809** 180mm Optical Glass Wide Angle Port **18812** 230mm Optical Glass Wide Angle Port II			
	ZEISS Milvus 21mm f/2.8 ZE	16339 ZM21		**22150** N120 Extension Ring 50.0	**18809** 180mm Optical Glass Wide Angle Port **18812** 230mm Optical Glass Wide Angle Port II			
FISHEYE (FULL FRAME)	**Canon EF 8-15mm f/4L Fisheye USM**	16301 + 16302 RC815-Z + RC815-F		**22130** N120 Extension Ring 30.0	**10802** 8.5" Acrylic Dome Port **18811** Fisheye Optical Glass Fisheye 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 : 2025-08-26

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