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	INT. LENS	OPTICAL PERFORMANCE
MACRO FULL FRAME							
Canon RF 100mm f/2.8L Macro IS USM	**19523** C100EF			**18703** Macro Port 54	SMC/CMC Option 1 : M67 Thread **81258** M67 Spacer Ring for SMC/CMC *(Included in all SMC/CMC packaging)* SMC/CMC Option 2 : Bayonet Mount **82250 + 82214** M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC **82250** M67 to Bayonet Mount Converter II	**81253** SMC : 2 **81263** SMC : 2 **81501** MFD-1 **87302** EMM5, Set #2	On APS-C Sensor **Max. Magnification : 1.4X** **Working Distance : 23-26mm** On both APS-C & Full Frame Sensor **Max. Magnification : 2.2X** **Working Distance : 46-57mm** On both APS-C & Full Frame Sensor **Max. Magnification : 1.2X** **Working Distance : 103-107mm** On Full Frame Sensor **Lens FOV : 23.4°** **Converted FOV : 60°/100°/130°/160°**
Canon RF 100mm f/2.8L Macro IS USM *please contact us if SA control is needed*	**19575** CRF100-F			**18703** Macro Port 54	SMC/CMC Option 1 : M67 Thread **81258** M67 Spacer Ring for SMC/CMC *(Included in all SMC/CMC packaging)* SMC/CMC Option 2 : Bayonet Mount **82250 + 82214** M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC **82250** M67 to Bayonet Mount Converter II	**81252** SMC : 2 **81263** SMC : 2 **81501** MFD-1 **87302** EMM5, Set #2 **81302** CMC : 1 **81301** CMC : 1 **81302** CMC : 2 **87302** EMM5, Set #2 **87303** EMM5, Set #3	On APS-C Sensor **Max. Magnification : 3.3X** **Working Distance : 16-35mm** On both APS-C & Full Frame Sensor **Max. Magnification : 2.1X** **Working Distance : 30-100mm** On both APS-C & Full Frame Sensor **Max. Magnification : 1.6X** **Working Distance : 56-107mm** On APS-C Sensor **Max. Magnification : 2.8X** **Working Distance : 19-60mm** On APS-C Sensor **Max. Magnification : 2.4X** **Working Distance : 24-112mm** On Full Frame Sensor **Lens FOV : 28°** **Converted FOV : 60°/100°/130°/160°**
STANDARD ZOOM APS-C							
Sigma 17-70mm F2.8-4 DC Macro OS HSMC	**16331** R0C17-70SIC Gear Set		**22140** N120 Extension Ring 40 II	**18002** 6.5" Acrylic Dome Port ★ **18012** 230mm Optical Glass Wide Angle Port II			
Canon RF 24-105mm f/4-5.6 IS STM	**16347** RF24IS Gear Set		**18709** N120 Flat Port (17 mm Lens Mount) *Unlock the lens focus function for camera into housing.*			**81301** CMC : 1 **81302** CMC : 1 **82253** MXL-C	**Max. Magnification : 0.9X** **Working Distance : 40-75mm** **Max. Magnification : 0.7X** **Working Distance : 74-120mm** **Lens FOV : 84-46.8°** **Converted FOV : 120-73°**
		21212 N120 to N100 70mm Port Adaptor	**22110** N120 Extension Ring 10 II	**85205** N100 MACP -C ★ **85206** N120/N100 MACP -18			**Lens FOV : 84-46.8°** **Converted FOV : 120-81°** **Zoom Range : 28-50mm**
			22120 N120 Extension Ring 20 II	**85207** N120/N100 FCP -1			On APS-C Sensor **Lens FOV : 59-30°** **Converted FOV : 114-57°**
Canon RF 24-70mm f/2.8L IS USM	**16344** C24IS Gear Set		**22160** N120 Extension Ring 60 II	**18002** 6.5" Acrylic Dome Port **18009** 180mm Optical Glass Wide Angle Port ★ **18013** 230mm Optical Glass Wide Angle Port II			On Full Frame Sensor **Lens FOV : 75-46°** **Converted FOV : 119-81°** **Zoom Range : 28-50mm**
			22125 + 22150 N120 Extension Ring 25 II + 50 II	**18015** 250mm Optical Glass Wide Angle Port II			
Canon RF 28-70mm f2L USM	**16343** RC28FSI2 Gear Set		**22140** N120 Extension Ring 40 II **22160** N120 Extension Ring 60 II	**85204** N120 MACP -2 *This setup is only compatible with MACP-2 (RK-A32G311 onwards* **18012** 230mm Optical Glass Wide Angle Port II **18002** 6.5" Acrylic Dome Port *This setup is only compatible with 18002 (RK-A4V1409 onwards*			On Full Frame Sensor **Lens FOV : 75-43°** **Converted FOV : 85-72°** **Zoom Range : 28-35mm**
			22180 N120 Extension Ring 80 II	★ **18009** 180mm Optical Glass Wide Angle Port *This setup is only compatible with 18009 (RK-A31D606 onwards*			
				18013 250mm Optical Glass Wide Angle Port II			
Canon RF 28-80mm f/2.5-5.6 V USM	**16344** C28IS5V2M Gear Set		**22130** N120 Extension Ring 30 II	★ **85206** N120/N100 MACP -18			On APS-C Sensor **Lens FOV : 51-19°** **Converted FOV : 80-33°**
		21325 N120 to N100 25mm Port Adaptor	**22115 + 22130** N120 Extension Ring 15 II + N120 Extension Ring 30 II	**85207** N120/N100 FCP -1 *slight vignetting at 28mm – 31mm*			On Full Frame Sensor **Lens FOV : 75-30°** **Converted FOV : 120-50°** **Zoom Range : 28-70mm**
				85205 N100 MACP -C			On APS-C Sensor **Lens FOV : 51-23°** **Converted FOV : 80-40°**
							On Full Frame Sensor **Lens FOV : 75-31°** **Converted FOV : 120-54°** **Zoom Range : 28-71mm**
WIDE ANGLE APS-C							
Canon EF-S 10-18mm f/4.5-5.6 IS STM	**16340** R10IS Gear Set			**85204** N120 MACP -2			On APS-C Sensor **Lens FOV : 108-70°** **Converted FOV : 128-85°**
Canon EF-S 10-22mm f/3.5-4.5 USM	**16303 + 16304** RC1022-J + RC1022-F		**21110** N120 Extension Ring 10	**85204** N120 MACP -2 *This setup is only compatible with MACP-2 (Serial RK-A32G311*			On APS-C Sensor **Lens FOV : 108-63°** **Converted FOV : 128-73°**
			22110 N120 Extension Ring 10 II	**85204** N120 MACP -2 *This setup is only compatible with MACP-2 (RK-A32G311 onwards*			
			22120 N120 Extension Ring 20 II	**22111** 8.5" white/balance acrylic dome port			
			22160 N120 Extension Ring 60 II	**18002** 6.5" Acrylic Dome Port ★ **18012** 230mm Optical Glass Wide Angle Port II			
				18015 250mm Optical Glass Wide Angle Port II			
Sigma 8-16mm F4.5-5.6 DC HSM	**16305 + 16306** RC816-F RC816-F		**22140** N120 Extension Ring 40 II	**18009** 180mm Optical Glass Wide Angle Port			
			22150 N120 Extension Ring 50 II	**18002** 6.5" Acrylic Dome Port ★ **18012** 230mm Optical Glass Wide Angle Port II			
				18015 250mm Optical Glass Wide Angle Port II			
Sigma 12-24mm F4 DG HSM / A4	**16327** R0C12D4 Gear Set		**22159** N120 Extension Ring 50 II *This setup is not compatible with Extension Rings (before DR-A31D101*	**18015** 250mm Optical Glass Wide Angle Port II			
			22160 N120 Extension Ring 60 II *This setup is not compatible with Extension Rings (before DR-A1V2004*	★ **18012** 230mm Optical Glass Wide Angle Port II			
Tokina AT-X 11-20mm F2.8 PRO DX	**16328** R0C11D Gear Set		**22120** N120 Extension Ring 20 II	**85204** N120 MACP -2			On APS-C Sensor **Lens FOV : 100-68°** **Converted FOV : 118-78°**
			22140 N120 Extension Ring 40 II	**18002** 6.5" Acrylic Dome Port **18009** 180mm Optical Glass Wide Angle Port ★ **18012** 230mm Optical Glass Wide Angle Port II			
				18015 250mm Optical Glass Wide Angle Port II			
Canon RF 10-20mm f/4 L IS USM	**16342** Gear Set		**22120** N120 Extension Ring 20 II	**18002** 6.5" Acrylic Dome Port ★ **18012** 230mm Optical Glass Wide Angle Port II			
			22110 N120 Extension Ring 10 II	**18015** 250mm Optical Glass Wide Angle Port II *This setup is only compatible with 18015 (RK-A4T0614 onwards*			
Canon RF 14-35mm f/4L IS USM	**16342** CR14IS Gear Set		**21110** N120 Extension Ring 10	**85204** N120 MACP -2 *This setup is only compatible with MACP-2(where RK-A32G311*			On APS-C Sensor **Lens FOV : 89-42°** **Converted FOV : 104-48°**
			22110 N120 Extension Ring 10 II	**85204** N120 MACP -2 *This setup is only compatible with MACP-2 (RK-A32G311 onwards*			On Full Frame Sensor **Lens FOV : 114-63°** **Converted FOV : 140-73°**
			22140 N120 Extension Ring 40 II	**18009** 180mm Optical Glass Wide Angle Port			
				85207 N120/N100 FCP -1			On APS-C Sensor **Lens FOV : 75-42°** **Converted FOV : 110-78°** **Zoom Range : 18-35mm**
							On Full Frame Sensor **Lens FOV : 75-63°** **Converted FOV : 110-112°** **Zoom Range : 18-35mm** *slight vignetting at 24mm*
							On Full Frame Sensor Circular Fisheye (remove shade) **Converted FOV : 180°** **Zoom Range : at 14mm only**
			22155 N120 Extension Ring 55 II	**18002** 6.5" Acrylic Dome Port ★ **18012** 230mm Optical Glass Wide Angle Port II			
				18015 250mm Optical Glass Wide Angle Port II			
Canon RF 15-30mm f/4.5-6.3 IS STM	**16345** CR15IS Gear Set		**22130** N120 Extension Ring 30 II	**85204** N120 MACP -2			On APS-C Sensor **Lens FOV : 84-49°** **Converted FOV : 101-59°**
				85206 N120/N100 MACP -18			On Full Frame Sensor **Lens FOV : 110-71°** **Converted FOV : 133-81°**
							On APS-C Sensor **Lens FOV : 75-49°** **Converted FOV : 139-85°** **Zoom Range : 18-30mm**
							On Full Frame Sensor **Lens FOV : 75-72°** **Converted FOV : 139-135°** **Zoom Range : 20-30mm**
			22130 N120 Extension Ring 30 II	**18009** 180mm Optical Glass Wide Angle Port			
			22140 N120 Extension Ring 40 II	**18002** 6.5" Acrylic Dome Port ★ **18012** 230mm Optical Glass Wide Angle Port II			
			22150 N120 Extension Ring 50 II	**18015** 250mm Optical Glass Wide Angle Port II			
		21320 N120 to N100 25mm Port Adaptor	**22135** N120 Extension Ring 35 II	**85205** N100 MACP -C			On APS-C Sensor **Lens FOV : 79-49°** **Converted FOV : 136-85°** **Zoom Range : 18-30mm**
Canon RF 15-35mm f/2.8L IS USM	**16341** CR15IS Gear Set			**85204** N120 MACP -2			On APS-C Sensor **Lens FOV : 84-42°** **Converted FOV : 98-48°**
			22170 N120 Extension Ring 70 II	**18002** 6.5" Acrylic Dome Port **18009** 180mm Optical Glass Wide Angle Port ★ **18012** 230mm Optical Glass Wide Angle Port II			On Full Frame Sensor **Lens FOV : 110-63°** **Converted FOV : 133-73°**
			22180 N120 Extension Ring 80 II	**18015** 250mm Optical Glass Wide Angle Port II			
Canon EF 16-35mm f/2.8 III USM	**16211 + 16212** RC1635V2 + RC1635V-F		**22130** N120 Extension Ring 30 II	**85204** N120 MACP -2			On APS-C Sensor **Lens FOV : 84-44°** **Converted FOV : 98-51°**
			22170 N120 Extension Ring 70 II	**18002** 6.5" Acrylic Dome Port **18009** 180mm Optical Glass Wide Angle Port ★ **18012** 230mm Optical Glass Wide Angle Port II			On Full Frame Sensor **Lens FOV : 107-63°** **Converted FOV : 128-73°**
			22180 N120 Extension Ring 80 II	**18015** 250mm Optical Glass Wide Angle Port II			
Canon EF 16-35mm f/2.8 III USM	**16325** RC1635IS Gear Set		**22150** N120 Extension Ring 50 II	**85204** N120 MACP -2			On APS-C Sensor **Lens FOV : 84-44°** **Converted FOV : 98-51°**
			22170 N120 Extension Ring 70 II	**85206** N120/N100 MACP -18			On Full Frame Sensor **Lens FOV : 107-63°** **Converted FOV : 128-73°**
							On APS-C Sensor **Lens FOV : 71-45°** **Converted FOV : 123-86°** **Zoom Range : 20-35mm**
							On Full Frame Sensor **Lens FOV : 79-63°** **Converted FOV : 130-109°** **Zoom Range : 20-35mm**
			22180 N120 Extension Ring 80 II	**18009** 180mm Optical Glass Wide Angle Port			
			22190 N120 Extension Ring 90 II	**18002** 6.5" Acrylic Dome Port ★ **18012** 230mm Optical Glass Wide Angle Port II			
				18015 250mm Optical Glass Wide Angle Port II			
ZEISS Milvus 18mm f/2.8 ZE	**16329** ZMC-F		**22150** N120 Extension Ring 50 II	**18009** 180mm Optical Glass Wide Angle Port ★ **18012** 230mm Optical Glass Wide Angle Port II			
ZEISS Milvus 21mm f/2.8 ZE	**16329** ZMC-F		**22150** N120 Extension Ring 50 II	**18009** 180mm Optical Glass Wide Angle Port ★ **18012** 230mm Optical Glass Wide Angle Port II			
FISHEYE FULL FRAME							
Canon EF 8-15mm f/4L Fisheye USM	**16301 + 16302** RC815-2 + RC815-F		**22130** N120 Extension Ring 30 II	**18002** 6.5" Acrylic Dome Port ★ **18011** 230mm Optical Glass Fisheye Port with Removable Shade **18013** 250mm 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 : 2024-12-23

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