N100 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM

(Full Frame Format Lens)

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO FULL FRAME	Sony SEL50M18 FE 50mm f/1.8				37123 N100 Macro Port 55			
					37123 N100 Macro Port 55 * These setups are only recommanded to use with Crop/APS-C format enabled to avoid vignetting	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81301 CMC - 1	Max. Magnification 0.9X Working Distance 60-77mm
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81302 CMC - 2	Max. Magnification 0.6X Working Distance 37-48mm
						83250 M67 to Bayonet Mount Converter II (included in all MWL-1 packaging)	86201 MWL - 1	Lens FOV 31° Converted FOV 116°
	Sony SEL50M28 FE 50mm f/2.8 Macro			37402 N100 Extension Ring 40	37127 N100 Flat Port 32			
	Sony SEL55F18Z AE Sonnar T* FE 55mm F1.8 ZA				37123 N100 Macro Port 55			
	Sony SEL90M28G FE 90mm f/2.8 Macro G OSS	37147 SE90-F			37126 N100 Macro Port 105	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-93mm
						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 3.4X Working Distance 22-36mm
						83250 M67 to Bayonet Mount Converter II	87303 EMWL Set#3	Lens FOV 27° Converted FOV 60°/100°/130°/160°
	Sigma 105mm F2.8 DG DN Macro Art	37166 SGE105-F			37125 N100 Macro Port 110	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81201 SMC - 1	Max. Magnification 2.3X Working Distance 49-80mm
			37305 N100 to N120 35.5mm Port Adaptor II	22120 N120 Extension Ring 20 II	18701 Macro Port 60	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 3.6X Working Distance 26-35mm
	Laowa 24mm f/14 2X Macro Probe	19155 N120 DSLR Gear Set	37305 N100 to N120 35.5mm Port Adaptor II	22170 + 22171 N120 Extension Ring 70 II + Focus Knob	16336 N120 Port Adaptor			
STANDARD ZOOM FULL FRAME	Sony FE 20-70mm f/4 G	37174 SFE2070-Z	37305 N100 to N120 35.5mm Port Adaptor II		* 85204 N120 WACP - 2 * slight vignetting at 20mm in RAW format			Lens FOV 94-59° Converted FOV 116-73° Zoom Range 20-38mm
				22120 N120 Extension Ring 20 II	85206 N120/N100 WACP - 1B			Lens FOV 75-71° Converted FOV 130-123° Zoom Range 28-30mm
					85201 N120 WACP - 1			
				22135 N120 Extension Ring 35 II	18809 180mm Optical Glass Wide Angle Port			
				22140 N120 Extension Ring 40 II	18802 8.5" Acrylic dome port			
					18812 230mm Optical Glass Wide Angle Port			
					* 18815 250mm Optical Glass Wide Angle Port			
	Sony SEL2470Z Vario-Tessar T* FE 24-70mm F4 ZA OSS	37149 SE2470-Z	37305 N100 to N120 35.5mm Port Adaptor II		85204 N120 WACP - 2			Lens FOV 84-34° Converted FOV 98-72° Zoom Range 24-35mm
		37149 + 37148 SE2470-Z + SE2470-F		22130 N120 Extension Ring 30 II	18809 180mm Optical Glass Wide Angle Port			
	Sony SEL2470GM FE 24-70mm f/2.8 GM	37151 SFE2470GM-Z	37305 N100 to N120 35.5mm Port Adaptor II	22130 N120 Extension Ring 30 II	85204 N120 WACP - 2			Lens FOV 84-34° Converted FOV 98-72° Zoom Range 24-35mm
		37151 + 37152 SFE2470GM-Z + SFE2470GM-F		22160 N120 Extension Ring 60 II	18809 180mm Optical Glass Wide Angle Port			
	Sony SEL2470GM2 FE 24-70mm f/2.8 GM II	37173 SFE2470II-Z	37305 N100 to N120 35.5mm Port Adaptor II	22150 N120 Extension Ring 50 II	18802 8.5" Acrylic dome port			
					18812 230mm Optical Glass Wide Angle Port			
					* 18815 250mm Optical Glass Wide Angle Port			
				22155 N120 Extension Ring 55 II	18809 180mm Optical Glass Wide Angle Port			
	Sony SEL28F20 FE 28mm f/2	37150 SE28-F			37127 N100 Flat Port 32	83250 M67 to Bayonet Mount Converter II	83202 WWL - 1B	Lens FOV 75° Converted FOV 130°
				37401 N100 Extension Ring 30	85205 N100 WACP - C			
					* 85206 N120/N100 WACP - 1B			
					85203 N100 WACP - 1			
	Sony SEL2860 FE 28-60mm F4-5.6	37163 SFE2860-Z		37401 + 37401 N100 Extension Ring 30 + N100 Extension Ring 30	37129 N100 180mm Optical Glass Wide Angle Port			
				37401 N100 Extension Ring 30	* 85206 N120/N100 WACP - 1B			Lens FOV 75-40° Converted FOV 130-69°
					85203 N100 WACP - 1			
					85205 N100 WACP - C			
				37408 N100 Extension Ring 35	85207 N120/N100 FCP - 1 * slight vignetting at 28mm			Lens FOV 75-40° Converted FOV 170-74°
			37305 N100 to N120 35.5mm Port Adaptor II	22130 N120 Extension Ring 30 II	* 18809 180mm Optical Glass Wide Angle Port			
					85207 N120/N100 FCP - 1 * slight vignetting at 28mm			Lens FOV 75-40° Converted FOV 170-74°
		37163 + 37168 SFE2860-Z + SFE2860-F (WACP-1)	37305 N100 to N120 35.5mm Port Adaptor II		85206 N120/N100 WACP - 1B			Lens FOV 75-39° Converted FOV 130-68°
					85201 N120 WACP - 1			
		37163 + 37164 SFE2860-Z + SFE2860-F			37165 N100 Flat Port 45 with Focus Knob	83250 M67 to Bayonet Mount Converter II	83202 WWL - 1B	Lens FOV 75-40° Converted FOV 130-69°
						SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	81301 CMC - 1	Max. Magnification 0.9X Working Distance 55-80mm
						SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81302 CMC - 2	Max. Magnification 0.7X Working Distance 83-135mm
	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS	37141 SE2870-Z		37403 N100 Extension Ring 50	* 85206 N120/N100 WACP - 1B			Lens FOV 75-34° Converted FOV 130-59°
					85203 N100 WACP - 1			
					85205 N100 WACP - C			
				37401 + 37401 N100 Extension Ring 30 II + N100 Extension Ring 30 II	85207 N120/N100 FCP - 1			Lens FOV 75-34° Converted FOV 170-62°
					37124 Flat port 66 with M77 Thread	83251 M77 to Bayonet Mount Converter II	86201 MWL - 1	Lens FOV 39-34° Converted FOV 150-110° Zoom Range 60-70mm
		37141 + 37167 SE2870-Z + SE2870-F	37305 N100 to N120 35.5mm Port Adaptor II	22120 N120 Extension Ring 20 II	85206 N120/N100 WACP - 1B			Lens FOV 75-34° Converted FOV 130-59°
					85201 N120 WACP - 1			
				22125 N120 Extension Ring 25 II	85207 N120/N100 FCP - 1			Lens FOV 75-34° Converted FOV 170-62°
	Sony SEL35F28Z Sonnar T* FE 35mm F2.8 ZA				37122 4" Wide angle port			
					37130 N100 Flat port 23	83250 M67 to Bayonet Mount Converter II	* 83202 WWL - 1B	Lens FOV 62° Converted FOV 109°
	Sigma 24-70mm f/2.8 DG DN Art	37171 SSF2470-Z	37305 N100 to N120 35.5mm Port Adaptor II	22155 N120 Extension Ring 55 II	18802 8.5" Acrylic dome port			
					18809 180mm Optical Glass Wide Angle Port			
					* 18812 230mm Optical Glass Wide Angle Port			
				22120 N120 Extension Ring 20 II	* 85204 N120 WACP - 2			Lens FOV 84-64° Converted FOV 98-74° Zoom Range 24-34mm
	Tamron 28-75mm f/2.8 Di III RXD	37159 STE2875-Z	37305 N100 to N120 35.5mm Port Adaptor II	22135 N120 Extension Ring 35 II	* 85206 N120/N100 WACP - 1B			Lens FOV 75-52° Converted FOV 130-90° Zoom Range 28-45mm
		37159 + 37160 STE2875-Z + STE2875-F			85201 N120 WACP - 1			
				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			
	Sony SEL1224GM FE 12-24mm F2.8 GM	37161 SFE1224GM-Z	37305 N100 to N120 35.5mm Port Adaptor II	22155 N120 Extension Ring 55 II * This setup is not compatible with Extension Rings I before SN:A055053 09/2016	18812 230mm Optical Glass Wide Angle Port			
		37161 + 37162 SFE1224GM-Z + SFE1224GM-F						
	Sony SEL1224G FE 12-24mm F4 G	37153 SFE1224-Z	37305 N100 to N120 35.5mm Port Adaptor II	22140 N120 Extension Ring 40 II	18812 230mm Optical Glass Wide Angle Port			
		37153 + 37154 SFE1224-Z + SFE1224-F						
	Sony FE 14mm f/1.8 GM			37401 + 37402 N100 Extension Ring 30 + N100 Extension Ring 40	85207 N120/N100 FCP - 1			Circular Fisheye (remove shade) Converted FOV 180° Zoom Range at 14mm only
			37305 N100 to N120 35.5mm Port Adaptor II	22120 N120 Extension Ring 20 II	18809 180mm Optical Glass Wide Angle Port			
				22130 N120 Extension Ring 30 II	18802 8.5" Acrylic dome port			
					* 18812 230mm Optical Glass Wide Angle Port			
					18815 250mm Optical Glass Wide Angle Port			
				22135 N120 Extension Ring 35 II	85207 N120/N100 FCP - 1			Circular Fisheye (remove shade) Converted FOV 180° Zoom Range at 14mm only
			37306 N100 to N120 25mm Port Adaptor		* 85204 N120 WACP - 2			Lens FOV 114° Converted FOV 140°
	Sony SEL1635GM FE 16-35mm F2.8 GM	37155 SFE1635GM-Z	37305 N100 to N120 35.5mm Port Adaptor II	22130 N120 Extension Ring 30 II	85204 N120 WACP - 2			Lens FOV 107-63° Converted FOV 128-77°
		37155 + 37156 SFE1635GM-Z + SFE1635GM-F		22160 N120 Extension Ring 60 II	18809 180mm Optical Glass Wide Angle Port			
				22170 N120 Extension Ring 70 II	* 18812 230mm Optical Glass Wide Angle Port			
	Sony SEL1635GM2 FE 16-35mm f/2.8 GM II	37175 SFE1635GMII-Z	37305 N100 to N120 35.5mm Port Adaptor II	21110 N120 Extension Ring 10	85204 N120 WACP - 2 * This setup is only compatible with WACP-2 before SN:A526311			Lens FOV 107-63° Converted FOV 128-77°
				22110 N120 Extension Ring 10 II	* 85204 N120 WACP - 2 * This setup is only compatible with WACP-2 after SN:A526311			
				22140 N120 Extension Ring 40 II	85206 N120/N100 WACP - 1B			On APS-C Sensor Lens FOV 75-45° Converted FOV 130-78°
					85201 N120 WACP - 1			On Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
				22150 N120 Extension Ring 50 II	18809 180mm Optical Glass Wide Angle Port			
				22160 N120 Extension Ring 60 II	18802 8.5" Acrylic dome port			
					* 18812 230mm Optical Glass Wide Angle Port			
	Sony SEL1635Z Vario-Tessar T* FE 16-35mm F4 ZA OSS	37145 SE1635-Z		37401 + 37403 N100 Extension Ring 30 + N100 Extension Ring 50	37129 N100 180mm Optical Glass Wide Angle Port			
		37145 + 37146 SE1635-Z + SE1635-F	37305 N100 to N120 35.5mm Port Adaptor II	21110 N120 Extension Ring 10	85204 N120 WACP - 2 * This setup is only compatible with WACP-2 before SN:A526311			Lens FOV 107-63° Converted FOV 128-77°
				22110 N120 Extension Ring 10 II	* 85204 N120 WACP - 2 * This setup is only compatible with WACP-2 after SN:A526311			
				22150 N120 Extension Ring 50 II	18809 180mm Optical Glass Wide Angle Port			
				22160 N120 Extension Ring 60 II	* 18812 230mm Optical Glass Wide Angle Port			
	Sony FE PZ 16-35mm f/4 G	37172 SFE1635-Z		37403 N100 Extension Ring 50	37129 N100 180mm Optical Glass Wide Angle Port			
				37401 + 37401 N100 Extension Ring 30 + N100 Extension Ring 30	85205 N100 WACP - C			Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
			37305 N100 to N120 35.5mm Port Adaptor II	22125 N120 Extension Ring 25 II	18802 8.5" Acrylic dome port			
					18812 230mm Optical Glass Wide Angle Port			
				22120 N120 Extension Ring 20 II	18809 180mm Optical Glass Wide Angle Port			
				22135 N120 Extension Ring 35 II	* 18815 250mm Optical Glass Wide Angle Port			
				21110 N120 Extension Ring 10	85201 N120 WACP - 1 * This setup is only compatible with WACP-1 before SN: A502435			Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
				22110 N120 Extension Ring 10 II	85201 N120 WACP - 1 * This setup is only compatible with WACP-1 after SN: A502435			
					85206 N120/N100 WACP - 1B			
			37306 N100 to N120 25mm Port Adaptor		* 85204 N120 WACP - 2			Lens FOV 107-63° Converted FOV 128-77°
	Sony FE 24mm f/2.8 G				37130 N100 Flat Port 23	83250 M67 to Bayonet Mount Converter II	83203 WWL-C	Lens FOV 84° Converted FOV 130°
	Sony FE 24mm f/1.4 GM		37305 N100 to N120 35.5mm Port Adaptor II	22140 N120 Extension Ring 40 II	18802 8.5" Acrylic dome port			
					* 18809 180mm Optical Glass Wide Angle Port			
					85204 N120 WACP - 2			Lens FOV 84° Converted FOV 98°
	Sony FE PZ 28-135mm f/4 G OSS	37169 SFE28135-Z	37305 N100 to N120 35.5mm Port Adaptor II	22190 N120 Extension Ring 90 II	18812 230mm Optical Glass Wide Angle Port			
		37169 + 37170 STE28135-Z + STE28135-F						

WIDE ANGLE FULL FRAME	**Sigma 14mm** **f/1.4 DG DN Art**		**37305** N100 to N120 35.5mm Port Adaptor II	**22160** N120 Extension Ring 60 II	**18809** 180mm Optical Glass Wide Angle Port * *This setup is only compatible with 18809 after SN: A512606*			
				22170 N120 Extension Ring 70 II	**18802** 8.5" Acrylic dome port * *This setup is only compatible with 18802 after SN: A491459*			
					18812 230mm Optical Glass Wide Angle Port			
					* **18815** 250mm Optical Glass Wide Angle Port			
				22190 N120 Extension Ring 90 II	**85207** N120/N100 FCP - 1			Circular Fisheye (remove shade) **Converted FOV** 180° **Zoom Range** at 14mm only
	Sigma 14mm **f/1.8 DG HSM Art**		**37305** N100 to N120 35.5mm Port Adaptor II	**22160** N120 Extension Ring 60 II	**18809** 180mm Optical Glass Wide Angle Port			
				22170 N120 Extension Ring 70 II	**18802** 8.5" Acrylic dome port			
					18812 230mm Optical Glass Wide Angle Port			
					* **18815** 250mm Optical Glass Wide Angle Port			
				22190 N120 Extension Ring 90 II	**85207** N120/N100 FCP - 1			Circular Fisheye (remove shade) **Converted FOV** 180° **Zoom Range** at 14mm only
	Sigma 15mm **f/1.4 Fisheye DG DN Art**		**37305** N100 to N120 35.5mm Port Adaptor II	**22160** N120 Extension Ring 60 II	**18802** 8.5" Acrylic dome port * *This setup is only compatible with 18802 after SN: A491459* * *AF-C focus mode is recommended to avoid focus shift issue*			
					18812 230mm Optical Glass Wide Angle Port * *AF-C focus mode is recommended to avoid focus shift issue*			
	Sigma 14-24mm **F2.8 DG DN**	**19726** SLE1424-Z	**37305** N100 to N120 35.5mm Port Adaptor II	**22125** N120 Extension Ring 25 II	**85204** N120 WACP - 2			**Lens FOV** 94-84° **Converted FOV** 115-98° **Zoom Range** 20-24mm
				22140 N120 Extension Ring 40 II	**18809** 180mm Optical Glass Wide Angle Port			
					18812 230mm Optical Glass Wide Angle Port			
				22150 N120 Extension Ring 50 II	* **18815** 250mm Optical Glass Wide Angle Port			
				22155 N120 Extension Ring 55 II	**85207** N120/N100 FCP - 1			Circular Fisheye (remove shade) **Converted FOV** 180° **Zoom Range** at 14mm only
				22160 N120 Extension Ring 60 II	**18802** 8.5" Acrylic dome port			
		19726 + 19727 SLE1424-Z + SLE1424-F	**37305** N100 to N120 35.5mm Port Adaptor II	**22150 + 22151** N120 Extension Ring 50 II + Focus Knob	**18812** 230mm Optical Glass Fisheye Port II			
	Sigma 24mm **f/3.5 DG DN**				**37127** N100 Flat Port 32	**83250** M67 to Bayonet Mount Converter II	**83203** WWL-C	**Lens FOV** 84° **Converted FOV** 130°
				37403 N100 Extension Ring 50	* **37129** N100 180mm Optical Glass Wide Angle Port			
			37305 N100 to N120 35.5mm Port Adaptor II	**22120** N120 Extension Ring 20 II	**18809** 180mm Optical Glass Wide Angle Port			
	Tamron 17-28mm **f/2.8 Di III RXD**	**37157** STE1728-Z	**37305** N100 to N120 35.5mm Port Adaptor II		**85204** N120 WACP - 2			**Lens FOV** 104-75° **Converted FOV** 123-89°
		37157 + 37158 STE1728-Z + STE1728-F	**37305** N100 to N120 35.5mm Port Adaptor II	**22140** N120 Extension Ring 40 II	**18802** 8.5" Acrylic dome port			
					* **18809** 180mm Optical Glass Wide Angle Port			
					18812 230mm Optical Glass Wide Angle Port			
	Tamron 20-40mm **f/2.8 Di III VXD**	**37177** STE2040-Z		**37403** N100 Extension Ring 50	**85205** N100 WACP - C * *AF-C focus mode is recommended to avoid focus shift issue*			
					85206 N120/N100 WACP - 1B * *AF-C focus mode is recommended to avoid focus shift issue*			**Lens FOV** 75-56.5° **Converted FOV** 130-98° **Zoom Range** 28-40mm
					85203 N100 WACP - 1 * *AF-C focus mode is recommended to avoid focus shift issue*			
				37401 + 37401 N100 Extension Ring 30 + N100 Extension Ring 30	**85207** N120/N100 FCP - 1 * *slight vignetting at 28mm* * *AF-C focus mode is recommended to avoid focus shift issue*			**Lens FOV** 75-56.5° **Converted FOV** 170-110° **Zoom Range** 28-40mm
				37402 + 37408 N100 Extension Ring 40 + N100 Extension Ring 35	**37129** N100 180mm Optical Glass Wide Angle Port			
			37305 N100 to N120 35.5mm Port Adaptor II	**22120** N120 Extension Ring 20 II	**85206** N120/N100 WACP - 1B * *AF-C focus mode is recommended to avoid focus shift issue*			**Lens FOV** 75-56.5° **Converted FOV** 130-98° **Zoom Range** 28-40mm
					85201 N120 WACP - 1 * *AF-C focus mode is recommended to avoid focus shift issue*			
				22125 N120 Extension Ring 25 II	**85207** N120/N100 FCP - 1 * *slight vignetting at 28mm* * *AF-C focus mode is recommended to avoid focus shift issue*			**Lens FOV** 75-56.5° **Converted FOV** 170-110° **Zoom Range** 28-40mm
				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			
	Zeiss Batis 18mm **F/2.8**		**37305** N100 to N120 35.5mm Port Adaptor II	**22120** N120 Extension Ring 20 II	**18809** 180mm Optical Glass Wide Angle Port			
	Sony FE 28mm f/2 + **Sony 21mm Ultra-Wide** **Conversion Lens**		**37305** N100 to N120 35.5mm Port Adaptor II	**22130** N120 Extension Ring 30 II	**18809** 180mm Optical Glass Wide Angle Port			
	Sony FE 28mm f/2 + **Sony 16mm Fisheye** **Conversion Lens**		**37305** N100 to N120 35.5mm Port Adaptor II	**22130** N120 Extension Ring 30 II	**18810** 140mm Optical Glass Wide Angle Port			
	Sony Full Frame **Camera Sensor**	**36317** Filter Holder				**37202** Nikonos Adaptor	**U/W Nikkor 15 mm** **f/2.8**	
							U/W Nikkor 20 mm **f/2.8**	
							U/W Nikkor 80mm **f/1.4**	
							Sea & Sea 12mm f/3.5 **Fisheye for Nikonos**	
CANON EF-MOUNT	**Sigma 15mm F2.8** **EX DG Diagonal Fisheye** **with Metabones T Smart** **Adaptor III/IV/V**	**19546** SC15-F	**37305** N100 to N120 35.5mm Port Adaptor II		**18810** 140mm Optical Glass Fisheye Port			
	Other Canon EF-mount Lenses **with Metabones T Smart** **Adaptor III/IV/V**		**37305** N100 to N120 35.5mm Port Adaptor II		**N120 Canon EF-Mount** **Port System**			

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