



## N120 PORT SYSTEM FOR PANASONIC L-MOUNT CAMERA SYSTEM ( Full Frame Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO FULL FRAME	Sigma 105mm F2.8 DG DN Macro Art				18708 Macro Port 80	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC (included in all SMC/CMC packaging)	<b>81201</b> SMC - 1	Max. Magnification 2.4X Working Distance 46-78mm
				22120 N120 Extension Ring 20 II	18701 Macro Port 60	SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81202</b> SMC - 2	Max. Magnification 3.7X Working Distance 23-33mm
	Panasonic Lumix S 100mm f2.8 Macro Lens * To be tested	19732 PL100-F			18709 Macro Port 27	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87301</b> EMWL Set #1	Lens FOV 23.3° Converted FOV 60°/100°/130°/160°
STANDARD ZOOM FULL FRAME	Panasonic Lumix S 20-60mm f/3.5-5.6	19731 PL2060-Z		22130 N120 Extension Ring 30 II	18802 8.5" Acrylic Dome Port * 18809 180mm Optical Glass Wide Angle Port 18812 230mm Optical Glass Wide Angle Port II			
	Panasonic Lumix S PRO 24-70mm f/2.8	19730 PL2470-Z		22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port * 18809 180mm Optical Glass Wide Angle Port 18812 230mm Optical Glass Wide Angle Port II			
	Panasonic Lumix S 24-105mm f/4	19721 PS24105-Z		22135 N120 Extension Ring 35 II	* 85206 N120/N100 WACP - 1B 85201 N120 WACP - 1		Lens FOV 75-65° Converted FOV 130-112° Zoom Range 28-33mm	
			21335 N120 to N100 35mm Port Adaptor		85205 N100 WACP - C * slight vignetting when focus distance from port to subject is less than 10cm at 28mm		Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm	
				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			
			19721 + 19724 PS24105-Z + PS24105-F	22150 + 22151 N120 Extension Ring 50 II + Focus Knob	18809 180mm Optical Glass Wide Angle Port			
WIDE ANGLE FULL FRAME	Panasonic Lumix S PRO 16-35mm f/4	19728 PL1635-Z		22150 + 22151 N120 Extension Ring 50 II + Focus Knob	85204 N120 WACP - 2		Lens FOV 105-63° Converted FOV 128-72°	
		19728 + 19729 PL1635-Z + PL1635-F			18812 230mm Optical Glass Wide Angle Port II			
	Sigma 14-24mm F2.8 DG DN Art	19726 SLE1424-Z		22125 N120 Extension Ring 25 II	85204 N120 WACP - 2		Lens FOV 94-84° Converted FOV 115-98° Zoom Range 20-24mm	
				22150 N120 Extension Ring 50 II	18809 180mm Optical Glass Wide Angle Port			
SIGMA EF-MOUNT ( with Sigma Mount Converter MC-21 ) FULL FRAME	Sigma 12-24mm F4 DG HSM   Art	19556 SC1224A-Z		22150 N120 Extension Ring 50 II * This setup is not compatible with Extension Rings I before SN:A213191 09/2016	18815 250mm Optical Glass Wide Angle Port II			
				22160 N120 Extension Ring 60 II * This setup is not compatible with Extension Rings I before SN:A143566 09/2016	* 18812 230mm Optical Glass Wide Angle Port II			
	Sigma 14mm F1.8 DG HSM   Art	19563 SC14A-F		22170 N120 Extension Ring 70 II * This setup is not compatible with Extension Rings I before SN:A201966 09/2016	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II			
CANON EF-MOUNT ( with Sigma Mount Converter MC-21 ) FULL FRAME	Sigma 14-24mm F2.8 DG HSM   Art	19564 SC1424A-Z		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 II 18815 250mm Optical Glass Wide Angle Port II			
		19726 SLE1424-Z		22160 N120 Extension Ring 60 II	18802 8.5" Acrylic Dome Port 18812 230mm Optical Glass Wide Angle Port II * 18815 250mm Optical Glass Wide Angle Port II			
CANON EF-MOUNT ( with Sigma Mount Converter MC-21 ) FULL FRAME	Sigma 20mm F1.4 DG HSM   Art			22150 + 22151 N120 Extension Ring 50 II + Focus Knob	18809 180mm Optical Glass Wide Angle Port 18812 230mm Optical Glass Wide Angle Port 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 II 18815 250mm Optical Glass Wide Angle Port II			
		19726 + 19727 SLE1424-Z + SLE1424-F		22150 + 22151 N120 Extension Ring 50 II + Focus Knob	18809 180mm Optical Glass Wide Angle Port 18812 230mm Optical Glass Wide Angle Port II			
CANON EF-MOUNT ( with Sigma Mount Converter MC-21 ) FULL FRAME	Canon EF 28-70mm f/3.5-4.5 II with Sigma Mount Converter MC-21	19725 Gear Set for Canon 2870 with MC-21		22130 + 22131 N120 Extension Ring 30 II + Focus Knob	85206 N120/N100 WACP - 1B 85201 N120 WACP - 1		Lens FOV 72-34° Converted FOV 128-59° Zoom Range 30-70mm	
				22125 N120 Extension Ring 25 II	* 85206 N120/N100 WACP - 1B 85201 N120 WACP - 1		Lens FOV 75-34° Converted FOV 130-59° Zoom Range 28-70mm	
				22135 N120 Extension Ring 35 II	85207 N120/N100 FCP - 1 * slight vignetting at 28mm to 31mm		Lens FOV 75-34° Converted FOV 170-62°	
				21325 N120 to N100 25mm Port Adaptor	85205 N100 WACP - C		Lens FOV 72-34° Converted FOV 130-59°	
	Other Canon EF-mount Lenses with Sigma Mount Converter MC-21				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