



N120 PORT SYSTEM FOR PANASONIC L-MOUNT CAMERA SYSTEM

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
MACRO FULL FRAME	Sigma 105mm F2.8 DG DN Macro Art			18708 N120 Macro Port 80	SMC/CMC Option 1 - M67 Thread	81201 SMC - 1	Max. Magnification 2.4X	
					81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>		Working Distance 46-78mm	
					SMC/CMC Option 2 - Bayonet Mount	81201 SMC - 1	Max. Magnification 2.4X	
					83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC		Working Distance 46-78mm	
					81202 SMC - 2	Max. Magnification 3.7X		
					81202 SMC - 2	Working Distance 23-33mm		
83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV 23.3° Converted FOV 60°/100°/130°						
MACRO FULL FRAME			21120 Extension Ring 20 with Lock	18701 Macro Port 60	SMC/CMC Option 1 - M67 Thread	81201 SMC - 1	Max. Magnification 2.4X	
					81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>		Working Distance 46-78mm	
					SMC/CMC Option 2 - Bayonet Mount	81201 SMC - 1	Max. Magnification 2.4X	
					83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC		Working Distance 46-78mm	
					81202 SMC - 2	Max. Magnification 3.7X		
					81202 SMC - 2	Working Distance 23-33mm		
83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV 23.3° Converted FOV 60°/100°/130°						
STANDARD ZOOM FULL FRAME	Panasonic Lumix S 20-60mm f/3.5-5.6	19731 PL2060-Z	21130 Extension Ring 30 with Lock		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		21170 Extension Ring 30 with Lock		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 <i>*Please refer to the following page for more setup options</i>	19721 PS24105-Z		21190 Extension Ring 90 with Lock		18815 250mm Optical Glass Wide Angle Port II		Lens FOV 75-65°
						* 85201 WACP - 1		Converted FOV 130-112°
								Zoom Range 28-33mm

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 port system based on best optical performance
* Secondary setup recommendation based on optical performance



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STANDARD ZOOM FULL FRAME	Panasonic Lumix S 24-105mm f/4	19721 PS24105-Z	21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port			
				* 18809 180mm Optical Glass Wide Angle Port			
		19721 + 19724 PS24105-Z + PS24105-F	21250 Extension Ring 50 with Focu Knob	18812 230mm Optical Glass Wide Angle Port II			
WIDE ANGLE FULL FRAME	Panasonic Lumix S PRO 16-35mm f/4	19728 PL1635-Z		* 85204 WACP - 2			Lens FOV 105-63° Converted FOV 128-72°
		19728 + 19729 PL1635-Z + PL1635-F	21250 Extension Ring 50 with Focu Knob	18812 230mm Optical Glass Wide Angle Port II			
	Leica Super-Vario-Elmar-SL 16-35mm f/3.5-4.5 ASPH	19722 LS1635-Z	21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port			
			21170 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port	* 18812 230mm Optical Glass Wide Angle Port II		
			18815 250mm Optical Glass Wide Angle Port II				
		19722 + 19723 LS1635-Z + LS1635-F	21271 Extension Ring 70 with Focu Knob	18812 230mm Optical Glass Wide Angle Port II			
Sigma 14-24mm F2.8 DG DN Art	19726 SLE1424-Z	21125 Extension Ring 25 with Lock	* 85204 WACP - 2			Lens FOV 94-84° Converted FOV 115-98° Zoom Range 20-24mm	
		21150 Extension Ring 50 with Lock	18809 180mm Optical Glass Wide Angle Port				
		21160 Extension Ring 60 with Lock	18802 8.5" Acrylic Dome Port	18812 230mm Optical Glass Wide Angle Port II			
	19726 + 19727 SLE1424-Z + SLE1424-F	21250 Extension Ring 50 with Focus Knob	18809 180mm Optical Glass Wide Angle Port	18812 230mm Optical Glass Wide Angle Port II			

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SIGMA EF-MOUNT (with Sigma Mount Converter MC-21) FULL FRAME	Sigma 12-24mm F4 DG HSM Art	19556 SC1224A-Z	21150 Extension Ring 50 with Lock	18815 250mm Optical Glass Wide Angle Port II			* This setup is not compatible with Extension Rings SN:A213191 before 09/2016
			21160 Extension Ring 60 with Lock	* 18812 230mm Optical Glass Wide Angle Port II			* This setup is not compatible with Extension Rings SN:A143566 before 09/2016
	Sigma 14mm F1.8 DG HSM Art	19563 SC14A-F	21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port			* This setup is not compatible with Extension Rings SN:A201966 before 09/2016
				* 18812 230mm Optical Glass Wide Angle Port II			
			18815 250mm Optical Glass Wide Angle Port II				
	Sigma 14-24mm F2.8 DG HSM Art	19564 SC1424A-Z	21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port			
			21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port			
				18812 230mm Optical Glass Wide Angle Port II			
				18815 250mm Optical Glass Wide Angle Port II			
	Sigma 20mm F1.4 DG HSM Art		21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port			
			21170 Extension Ring 70 with Lock	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	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	21230 Extension Ring 30 with Focus Knob	85201 WACP - 1			Lens FOV 72-34° Converted FOV 128-59° Zoom Range 30-70mm
		19557 C2870f3.5II-Z	21125 Extension Ring 25 with Lock	* 85201 WACP - 1			Lens FOV 75-34° Converted FOV 130-59° Zoom Range 28-70mm
	Other Canon EF-mount Lenses with Sigma Mount Converter MC-21				N120 Canon EF-Mount Port System		

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