



## N120 CINEMA PORT SYSTEM FOR EF & RF-MOUNT CAMERA SYSTEM ( RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO APS-C	Canon EF-S 60mm f2.8 Macro USM	19521 C60-F		18704 Macro Port 41	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81302 CMC - 2 <small>On APS-C Sensor</small>	Max. Magnification 1.6X Working Distance 38-120mm
						81201 SMC - 1 <small>On APS-C Sensor</small>	Max. Magnification 1.6X Working Distance 28-94mm
					SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81302 CMC - 2 <small>On APS-C Sensor</small>	Max. Magnification 1.6X Working Distance 38-120mm
						81201 SMC - 1 <small>On APS-C Sensor</small>	Max. Magnification 1.6X Working Distance 28-94mm
MACRO FULL FRAME	Canon EF 100mm f/2.8L Macro IS USM	19523 C100IS-F		18703 Macro Port 94	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1 <small>On APS-C Sensor</small>	Max. Magnification 2.1X Working Distance 45-95mm
						81202 SMC - 2 <small>On APS-C Sensor</small>	Max. Magnification 3.4X Working Distance 23-39mm
					SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1 <small>On APS-C Sensor</small>	Max. Magnification 2.1X Working Distance 45-95mm
			81202 SMC - 2 <small>On APS-C Sensor</small>	Max. Magnification 3.4X Working Distance 23-39mm			
			83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2 <small>On APS-C Sensor</small>	Lens FOV 23.4° Converted FOV 60°/100°/130°		
	Canon RF 100mm f/2.8L Macro IS USM	19575 CRF100-F <i>*compatible with NA-Komodo and NA-C70</i>			18703 Macro Port 94	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1 <small>On APS-C Sensor</small>
						81202 SMC - 2 <small>On APS-C Sensor</small>	Max. Magnification 3.4X Working Distance 16-38mm
						81301 CMC - 1 <small>On APS-C Sensor</small>	Max. Magnification 2.8X Working Distance 23-70mm
						81302 CMC - 2 <small>On APS-C Sensor</small>	Max. Magnification 2.3X Working Distance 34-120mm
SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC						81201 SMC - 1 <small>On APS-C Sensor</small>	Max. Magnification 2.3X Working Distance 32-89mm
						81202 SMC - 2 <small>On APS-C Sensor</small>	Max. Magnification 3.4X Working Distance 16-38mm
	81301 CMC - 1 <small>On APS-C Sensor</small>	Max. Magnification 2.8X Working Distance 23-70mm					
	81302 CMC - 2 <small>On APS-C Sensor</small>	Max. Magnification 2.3X Working Distance 34-120mm					
		83250 M67 to Bayonet Mount Converter II	87302 / 8730 EMWL Set #2 / #3 <small>On APS-C Sensor</small>	Lens FOV 24.0° Converted FOV 60°/100°/130°			

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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	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
<b>MACRO</b> FULL FRAME	<b>Laowa 24mm f/14 2X Macro Probe</b>	<b>16335</b> Laowa24 Gear Set	<b>21170</b> Extension Ring 70 with Lock	<b>16336</b> N120 Port Adaptor for Laowa 24mm f/14 2X Macro Probe	<i>* This setup is not compatible with Extension Rings SN:A201966 before 09/2016</i>
<b>STANDARD ZOOM</b> APS-C	<b>Canon EF-S 18-55mm f/3.5-5.6 IS STM</b>	<b>16330</b> RC1855STM Gear Set	<b>21125</b> Extension Ring 25 with Lock	<b>85201</b> WACP - 1	On APS-C Sensor <b>Lens FOV</b> 71-29° <b>Converted FOV</b> 123-50° <b>Zoom Range</b> 20-55mm
	<b>Sigma 17-70mm F2.8-4 DC Macro OS HSM C</b>	<b>16331</b> RSC1770OSC Gear Set	<b>21140</b> Extension Ring 40 with Lock	<b>18802</b> 8.5" Acrylic Dome Port  <b>* 18812</b> 230mm Optical Glass Wide Angle Port II	
	<b>Sigma 18-35mm F1.8 DC HSM A</b>	<b>16326</b> RSC1835f1.8 Gear Set	<b>21180</b> Extension Ring 80 with Lock  <b>21130 + 21135</b> Extension Ring 30 with Lock + 35  <b>21150 + 21150</b> Extension Ring 50 with Lock + 50	<b>* 85202</b> WACP-1 for Sigma 18-35mm F1.8  <b>18802</b> 8.5" Acrylic Dome Port <b>18809</b> 180mm Optical Glass Wide Angle Port <b>* 18812</b> 230mm Optical Glass Wide Angle Port II	On APS-C Sensor <b>Lens FOV</b> 71-46° <b>Converted FOV</b> 123-79.5° <b>Zoom Range</b> 20-35mm
<b>STANDARD ZOOM</b> FULL FRAME	<b>Canon EF 24-70mm f/2.8L II USM</b>	<b>16313 + 16314</b> RC2470II-Z + RC2470II-F	<b>21170</b> Extension Ring 70 with Lock	<b>18802</b> 8.5" Acrylic Dome Port  <b>* 18812</b> 230mm Optical Glass Wide Angle Port II	
	<b>Canon EF 24-105mm f/4L IS USM</b>	<b>16337</b> RC24105 Gear Set	<b>21170</b> Extension Ring 70 with Lock	<b>18802</b> 8.5" Acrylic Dome Port  <b>* 18809</b> 180mm Optical Glass Wide Angle Port  <b>18812</b> 230mm Optical Glass Wide Angle Port II	On APS-C Sensor <b>Lens FOV</b> 71-46° <b>Converted FOV</b> 123-79.5° <b>Zoom Range</b> 20-35mm

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*



## N120 CINEMA PORT SYSTEM FOR EF & RF-MOUNT CAMERA SYSTEM ( RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)

	CAMERA LENS	GEAR	EXTENSION RING	PORT		OPTICAL PERFORMANCE	
<b>STANDARD ZOOM</b> FULL FRAME	Canon EF 28-70mm f/3.5-4.5 II	16334 RC2870II Gear Set	21125 Extension Ring 25 with Lock	85201 WACP - 1		On APS-C Sensor Lens FOV 52-22° Converted FOV 90-38°	
						On Full Frame Sensor Lens FOV 75-34° Converted FOV 130-59°	
<b>WIDE ANGLE</b> APSC	Canon EF-S 10-18mm f/4.5-5.6 IS STM	16340 RC1018 Gear Set		85204 WACP - 2		On APS-C Sensor Lens FOV 108-75° Converted FOV 128-85°	
	Canon EF-S 10-22mm f/3.5-4.5 IS USM	16303 + 16304 RC1022-Z + RC1022-F		21110 Extension Ring 10 with Screws	* 85204 WACP - 2	On APS-C Sensor Lens FOV 108-63° Converted FOV 128-72°	
	<i>*Please refer to the following page for more setup options</i>			21120 Extension Ring 20 with Lock	23211 8.5" white balance acrylic dome port		
	Canon EF-S 10-22mm f/3.5-4.5 IS USM	16303 + 16304 RC1022-Z + RC1022-F		21160 Extension Ring 60 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 8-16mm F4.5-5.6 DC HSM	16305 + 16306 RSC816-Z + RSC816-F		21140 Extension Ring 40 with Lock	18809 180mm Optical Glass Wide Angle Port		
				21150 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			
	Sigma 12-24mm F24 DG HSM   Art	16327 RSC1224A Gear Set		21150 Extension Ring 50 with Lock	18815 250mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings SN:A213191 before 09/2016</i>	
				21160 Extension Ring 60 with Lock	* 18812 230mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings SN:A201966 before 09/2016</i>	
	Tokina AT-X 11-20mm F2.8 PRO DX	16328 RTC1120		21120 Extension Ring 20 with Lock	* 85204 WACP - 2	On APS-C Sensor Lens FOV 100-68° Converted FOV 118-78°	
				21160 Extension Ring 60 with Lock	18802 8.5" Acrylic Dome Port		

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	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
WIDE ANGLE APS-C	Tokina AT-X 11-20mm F2.8 PRO DX	16328 RTC1120	21160 Extension Ring 60 with Lock	18809 180mm Optical Glass Wide Angle Port  * 18812 230mm Optical Glass Wide Angle Port II  18815 250mm Optical Glass Wide Angle Port II	
	Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	16309 + 16310 RSC1116-Z + RSC1116-F	21110 Extension Ring 10 with Screws  21160 Extension Ring 60 with Lock	* 85204 WACP - 2	On APS-C Sensor <b>Lens FOV</b> 110-81° <b>Converted FOV</b> 118-92°
WIDE ANGLE FULL FRAME	Canon EF 11-24mm f/4L USM	16315 + 16316 RC1124-Z +	21150 Extension Ring 50 with Lock  21170 Extension Ring 70 with Lock  21271 Extension Ring 70 with Focus Knob	* 18815 250mm Optical Glass Wide Angle Port II  18812 230mm Optical Glass Wide Angle Port II  18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings SN:A201966 before 09/2016  * This setup is not compatible with Extension Rings SN:A201966 before 09/2016
	Canon RF 14-35mm f/4L IS USM	16342 CR1435 Gear Set	21155 Extension Ring 55 with Lock  21140 Extension Ring 40 with Lock  21110 Extension Ring 10	18802 8.5" Acrylic Dome Port  * 18812 230mm Optical Glass Wide Angle Port II  18815 250mm Optical Glass Wide Angle Port II  18809 180mm Optical Glass Wide Angle Port  85204 WACP - 2	On APS-C Sensor <b>Lens FOV</b> 89-42° <b>Converted FOV</b> 104-48°  On Full Frame Sensor <b>Lens FOV</b> 114-63° <b>Converted FOV</b> 140-72°

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	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE								
WIDE ANGLE FULL FRAME	Canon RF 15-35mm f/2.8L IS USM	16341 CR1535 Gear Set	21135 Extension Ring 35 with Lock	* 85204 WACP - 2	On APS-C Sensor	Lens FOV 84-42° Converted FOV 98-48°							
					On Full Frame Sensor	Lens FOV 110-63° Converted FOV 133-72°							
					21170 Extension Ring 70 with Lock	18802 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 EF 16-35mm f/2.8 II USM	16311 + 16312 RC1635II-Z + RC1635II-F	21170 Extension Ring 70 with Lock	18802 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		
	21180 Extension Ring 80 with Lock	18812 230mm Optical Glass Wide Angle Port II	18815 250mm Optical Glass Wide Angle Port II										
	Canon EF 16-35mm f/2.8 III USM	19527 + 19542 C1635II-Z + C1635II-F	21130 Extension Ring 30 with Lock	85204 WACP - 2								On APS-C Sensor	Lens FOV 84-44° Converted FOV 98-51°
												On Full Frame Sensor	Lens FOV 107-63° Converted FOV 128-72°
					21150 Extension Ring 50 with Lock	* 85204 WACP - 2	On APS-C Sensor	Lens FOV 84-44° Converted FOV 98-51°					
On Full Frame Sensor								Lens FOV 107-63° Converted FOV 128-72°					
21170 Extension Ring 70 with Lock								85201 WACP - 1	On APS-C Sensor	Lens FOV 71-45° Converted FOV 123-78° Zoom Range 20-35mm			
					On Full Frame Sensor	Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm							
	21180 Extension Ring 80 with Lock	18809 180mm Optical Glass Wide Angle Port											

*\*Please refer to the following page  
for more setup options*



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WIDE ANGLE FULL FRAME	Canon EF 16-35mm f/2.8 III USM	16325 RC1635III Gear Set	21190 Extension Ring 90 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 16-35mm f/4L IS USM	16317 + 16318 RC1635f4-Z + RC1635f4-F	21130 Extension Ring 30 with Lock	* 85204 WACP - 2	On APS-C Sensor	Lens FOV 84-44° Converted FOV 98-51°
					On Full Frame Sensor	Lens FOV 107-63° Converted FOV 128-72°
			21160 Extension Ring 60 with Lock	85201 WACP - 1	On APS-C Sensor	Lens FOV 71-45° Converted FOV 123-78° Zoom Range 20-35mm
					On Full Frame Sensor	Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
			21170 Extension Ring 70 with Lock	18802 8.5" Acrylic Dome Port  18809 180mm Optical Glass Wide Angle Port		
			21180 Extension Ring 80 with Lock	* 18812 230mm Optical Glass Wide Angle Port II  18815 250mm Optical Glass Wide Angle Port II		
	ZEISS Distagon T* 15mm f/2.8 ZM	16319 ZC15-F	21155 Extension Ring 55 with Lock	18812 230mm Optical Glass Wide Angle Port II		* This setup is not compatible with Extension Rings SN:A055053 before 09/2016
	ZEISS Milvus 18mm f/2.8 ZE	16329 ZMC-F	21150 Extension Ring 50 with Lock	18809 180mm Optical Glass Wide Angle Port  * 18812 230mm Optical Glass Wide Angle Port II		
	ZEISS Milvus 21mm f/2.8 ZE	16329 ZMC-F	21150 Extension Ring 50 with Lock	18809 180mm Optical Glass Wide Angle Port  * 18812 230mm Optical Glass Wide Angle Port II		
FISHEYE APS-C	Tokina AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5	19529 TC1017-Z		18804 4.33" Acrylic Dome Port for Tokina 10-17mm		
			21110 Extension Ring 10 with Screws	* 18810 140mm Optical Glass Fisheye Port		

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FISHEYE APS-C	Tokina AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5	19529 TC1017-Z	21120 Extension Ring 20 with Lock	18802 8.5" Acrylic Dome Port  18812 230mm Optical Glass Wide Angle Port II	
	Tokina AT-X 107 AF DX Fisheye AF with Kenko 1.4x Teleplus Pro 300 DGX	19529 TC1017-Z + 1.4X	21120 Extension Ring 20 with Lock  21130 Extension Ring 30 with Lock  21140 Extension Ring 40 with Lock	18804 4.33" Acrylic Dome Port for Tokina 10-17mm  * 18810 140mm Optical Glass Fisheye Port  18802 8.5" Acrylic Dome Port  18812 230mm Optical Glass Wide Angle Port II	
	Canon EF 8-15mm f/4L Fisheye USM	19537 C815-Z	21130 Extension Ring 30 with Lock	* 18811 140mm Optical Glass Fisheye Port with Removable Shade  18812 230mm Optical Glass Wide Angle Port II	
FISHEYE FULL FRAME	Canon EF 8-15mm f/4L Fisheye USM with Kenko 1.4x Teleplus Pro 300 DGX	19537 + 19541 C815-Z + C815-F	18802 8.5" Acrylic Dome Port		
	Canon EF 8-15mm f/4L Fisheye USM with Kenko 1.4x Teleplus Pro 300 DGX	19538 C815-Z + 1.4X	21150 Extension Ring 50 with Lock	18802 8.5" Acrylic Dome Port  * 18811 140mm Optical Glass Fisheye Port with Removable Shade  18812 230mm Optical Glass Wide Angle Port II	