



## N120 PORT SYSTEM FOR CANON RF-MOUNT CAMERA SYSTEM ( Full Frame Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO FULL FRAME	Canon RF 85mm f/2 Macro IS STM			<b>18701</b> Macro Port 60	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81201</b> SMC - 1	Max. Magnification 1.6X Working Distance 60-85mm
					SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC		
MACRO FULL FRAME	Canon RF 100mm f/2.8L Macro IS USM	<b>19575 + 19576</b> CRF100-F + SA Control Ring		<b>18703</b> 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>	<b>81201</b> SMC - 1	Max. Magnification 2.3X Working Distance 29-80mm
						<b>81202</b> SMC - 2	Max. Magnification 3.3X Working Distance 16-35mm
						<b>81301</b> CMC - 1	Max. Magnification 2.8X Working Distance 18-85mm
						<b>81302</b> CMC - 2	Max. Magnification 2.4X Working Distance 34-121mm
					SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81201</b> SMC - 1	Max. Magnification 2.3X Working Distance 29-80mm
						<b>81202</b> SMC - 2	Max. Magnification 3.3X Working Distance 16-35mm
						<b>81301</b> CMC - 1	Max. Magnification 2.8X Working Distance 18-85mm
						<b>81302</b> CMC - 2	Max. Magnification 2.4X Working Distance 34-121mm
					<b>83250</b> M67 to Bayonet Mount Converter II	<b>87302</b> EMWL Set #2	Lens FOV 24° Converted FOV 60°/100°/130°/160°
						<b>87303</b> EMWL Set #3	Lens FOV 24° Converted FOV 60°/100°/130°/160°
STANDARD ZOOM FULL FRAME	Canon RF 24-70mm f/2.8L IS USM	<b>19567</b> CR2470-Z	<b>22160</b> N120 Extension Ring 60 II		<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	
				<b>22125 + 22150</b> N120 Extension Ring 25 II + 50 II	<b>* 18815</b> 250mm Optical Glass Wide Angle Port II		
		<b>19567 + 19568</b> CR2470-Z + CR2470-F	<b>22150 + 22151</b> N120 Extension Ring 50 II + Focus Knob		<b>18802</b> 8.5" Acrylic Dome Port	<b>18809</b> 180mm Optical Glass Wide Angle Port	
Canon RF 24-105mm f/4L IS USM	<b>19565</b> CR24105-Z	<b>22140</b> N120 Extension Ring 40 II		<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			

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 PORT SYSTEM FOR CANON RF-MOUNT CAMERA SYSTEM ( Full Frame Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE	
STANDARD ZOOM FULL FRAME	Canon RF 28-70mm f2L USM	19595 CR2870-Z		22140 N120 Extension Ring 40 II	85204 N120 WACP - 2	Lens FOV 75-63° Converted FOV 85-72° Zoom Range 28-35mm  <i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>	
				22160 N120 Extension Ring 60 II	18812 230mm Optical Glass Wide Angle Port II  18802 8.5" Acrylic Dome Port		<i>* This setup is only compatible with 18802 SN:A491459 onwards</i>
				22180 N120 Extension Ring 80 II	* 18809 180mm Optical Glass Wide Angle Port  18815 250mm Optical Glass Wide Angle Port II		
WIDE ANGLE FULL FRAME	Canon RF 14-35mm f/4L IS USM	19574 CR1435-Z		22155 N120 Extension Ring 55 II	18802 8.5" Acrylic Dome Port  * 18812 230mm Optical Glass Wide Angle Port II  18815 250mm Optical Glass Wide Angle Port II	Lens FOV 114-63° Converted FOV 140-72°	
				22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port		
				21110 N120 Extension Ring 10	85204 N120 WACP - 2		<i>* This setup is only compatible with WACP-2 before SN:A526311</i>
	22110 N120 Extension Ring 10 II	85204 N120 WACP - 2	Lens FOV 114-63° Converted FOV 140-72°  <i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>				
	Canon RF 15-30mm f/4.5-6.3 IS STM	19597 CR1530-Z					* 85204 N120 WACP - 2
			22120 N120 Extension Ring 20 II			85201 N120 WACP - 1	On APS-C Sensor  On Full Frame Sensor
22130 N120 Extension Ring 30 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 II				
22150 N120 Extension Ring 50 II			18815 250mm Optical Glass Wide Angle Port II				
21320 N120 to N100 20mm Port Adaptor		85205 N100 WACP - C	On APS-C Sensor  On Full Frame Sensor	Lens FOV 75-49° Converted FOV 130-85° Zoom Range 18-30mm			

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## N120 PORT SYSTEM FOR CANON RF-MOUNT CAMERA SYSTEM ( Full Frame Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
WIDE ANGLE FULL FRAME	Canon RF 15-35mm f/2.8L IS USM	19569 CR1535-Z	22135 N120 Extension Ring 35 II	85204 N120 WACP - 2			Lens FOV 110-63° Converted FOV 133-72°	
			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					
			22180 N120 Extension Ring 80 II	18815 250mm Optical Glass Wide Angle Port II				
		19569 + 19570 CR1535-Z + CR1535-F	22170 + 22171 N120 Extension Ring 70 II + Focus Knob	18812 230mm Optical Glass Wide Angle Port II				
	19569 + 19571 CR1535-Z + WCR1535-F	21235 / 22135 + 22151 N120 Extension Ring 35 I / II + Focus Knob	* 85204 N120 WACP - 2			Lens FOV 110-63° Converted FOV 133-72°		
	Canon RF 16mm f/2.8 STM				18802 8.5" Acrylic Dome Port			
					18809 180mm Optical Glass Wide Angle Port			
					* 18812 230mm Optical Glass Wide Angle Port II			
	Canon RF 24mm f/1.8 Macro IS STM				18707 N120 Macro Port 6	83250 M67 to Bayonet Mount Converter II	* 83203 WWL-C	Lens FOV 84° Converted FOV 130°
					18802 8.5" Acrylic Dome Port			
				18809 180mm Optical Glass Wide Angle Port				
				18812 230mm Optical Glass Wide Angle Port II				
Canon RF 35mm f/1.8 IS Macro STM	<p><i>* These setups are only recommended to use for blackwater photography with slight vignetting on 1.6x (crop) for still photography and with movie cropping option enabled</i></p> <p><i>* Please refer to the following page for more setup options</i></p>		21110 N120 Extension Ring 10	18706 N120 Macro Port 12	SMC/CMC Option 1 - M67 Thread	81301 CMC - 1	Max. Magnification 0.9X Working Distance 20-75mm	
					81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81302 CMC - 2	Max. Magnification 0.8X Working Distance 24-121mm	
					SMC/CMC Option 2 - Bayonet Mount	81301 CMC - 1	Max. Magnification 0.9X Working Distance 20-75mm	
					83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81302 CMC - 2	Max. Magnification 0.8X Working Distance 24-121mm	
					83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 42° Converted FOV 157.5°	

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## N120 PORT SYSTEM FOR CANON RF-MOUNT CAMERA SYSTEM ( Full Frame Format Lens )

	CAMERA LENS	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
WIDE ANGLE FULL FRAME	<b>Canon RF 35mm f/1.8 IS Macro STM</b>  <i>* These setups are only recommended to use for blackwater photography with slight vignetting on 1.6x (crop) for still photography and with movie cropping option enabled</i>	<b>22110</b> N120 Extension Ring 10 II	<b>18706</b> Macro Port 12  <i>* This setup is only compatible with 18706 SN:A524910 onwards</i>	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Max. Magnification 0.9X Working Distance 20-75mm
				SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1	Max. Magnification 0.9X Working Distance 20-75mm
				<b>81302</b> CMC - 2	Max. Magnification 0.8X Working Distance 24-121mm	
				<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1	Lens FOV 42° Converted FOV 157.5°
CANON EF-MOUNT	<b>Canon EF-mount Lenses with Canon Mount Adaptor EF-EOS R</b>		<b>N120 Canon EF-Mount Port System</b>			



## 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 APSC	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	On APS-C Sensor Max. Magnification 1.6X Working Distance 38-120mm	
						81201 SMC - 1	On APS-C Sensor Max. Magnification 1.6X Working Distance 28-94mm	
						81302 CMC - 2	On APS-C Sensor Max. Magnification 1.6X Working Distance 38-120mm	
					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	On APS-C Sensor 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	On APS-C Sensor Max. Magnification 2.1X Working Distance 45-95mm	
						81202 SMC - 2	On APS-C Sensor Max. Magnification 3.4X Working Distance 23-39mm	
						81201 SMC - 1	On APS-C Sensor Max. Magnification 2.1X Working Distance 45-95mm	
						81202 SMC - 2	On APS-C Sensor Max. Magnification 3.4X Working Distance 23-39mm	
						<b>83250</b> M67 to Bayonet Mount Converter II	87302 EMWL Set #2	On Full Frame Sensor Lens FOV 23.4° Converted FOV 60°/100°/130°/160°
	Canon RF 100mm f/2.8L Macro IS USM	19575 CRF100-F <i>* please contact us if SA control is needed</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	On APS-C Sensor Max. Magnification 2.3X Working Distance 29-80mm
							81202 SMC - 2	On APS-C Sensor Max. Magnification 3.3X Working Distance 16-35mm
							81301 CMC - 1	On APS-C Sensor Max. Magnification 2.8X Working Distance 18-85mm
							81302 CMC - 2	On APS-C Sensor Max. Magnification 2.4X Working Distance 34-121mm
							81201 SMC - 1	On APS-C Sensor Max. Magnification 2.3X Working Distance 29-80mm
81202 SMC - 2							On APS-C Sensor Max. Magnification 3.3X Working Distance 16-35mm	
					<b>81301</b> CMC - 1	On APS-C Sensor Max. Magnification 2.8X Working Distance 18-85mm		
					<b>81302</b> CMC - 2	On APS-C Sensor Max. Magnification 2.4X Working Distance 34-121mm		
					<b>83250</b> M67 to Bayonet Mount Converter II	87302 EMWL Set #2	On Full Frame Sensor Lens FOV 24° Converted FOV 60°/100°/130°/160°	
						<b>87303</b> EMWL Set #3	On Full Frame Sensor Lens FOV 24° Converted FOV 60°/100°/130°/160°	
	Laowa 24mm f/14 2X Macro Probe	16335 Laowa24 Gear Set	22170 N120 Extension Ring 70 II	16336 N120 Port Adaptor for Laowa 24mm f/14 2X Macro Probe			<i>* This setup is not compatible with Extension Rings I SN:A201966 before 09/2016</i>	

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	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING/ PORT ADAPTOR	PORT	OPTICAL PERFORMANCE		
STANDARD ZOOM APSC-C	Canon EF-S 18-55mm f/3.5-5.6 IS STM	16330 RC1855STM Gear Set	21325 N120 to N100 25mm Port Adaptor	22125 N120 Extension Ring 25 II	85201 N120 WACP - 1 <small>On APS-C Sensor</small>	Lens FOV 71-29° Converted FOV 123-50° Zoom Range 20-55mm		
					85205 N100 WACP - C <small>On APS-C Sensor</small>	Lens FOV 71-29° Converted FOV 123-50° Zoom Range 20-55mm		
	Sigma 17-70mm F2.8-4 DC Macro OS HSM C	16331 RSC1770OSC Gear Set		22140 N120 Extension Ring 40 II	18802 8.5" Acrylic Dome Port			
					* 18812 230mm Optical Glass Wide Angle Port II			
	Sigma 18-35mm F1.8 DC HSM A	16326 RSC1835f1.8 Gear Set		22180 N120 Extension Ring 80 II	* 85202 N120 WACP-1 for Sigma 18-35mm F1.8 <small>On APS-C Sensor</small>		Lens FOV 71-46° Converted FOV 123-79.5° Zoom Range 20-35mm	
						18802 8.5" Acrylic Dome Port		
						18809 180mm Optical Glass Wide Angle Port		
						* 18812 230mm Optical Glass Wide Angle Port II		
						22130 + 22135 N120 Extension Ring 30 II + 35 II <small>On APS-C Sensor</small>	85201 N120 WACP - 1	Lens FOV 71-46° Converted FOV 123-79.5° Zoom Range 20-35mm
						22140 + 21325 N120 Extension Ring 40 II + N120 to N100 25mm Port Adaptor <small>On APS-C Sensor</small>	85205 N100 WACP - C	Lens FOV 71-46° Converted FOV 123-79.5° Zoom Range 20-35mm
	22150 + 22150 N120 Extension Ring 50 II + 50 II	18815 250mm Optical Glass Wide Angle Port II						
STANDARD ZOOM FULL FRAME	Canon EF 24-70mm f/2.8L II USM	16313 + 16314 RC2470II-Z + RC2470II-F		22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port			
					* 18812 230mm Optical Glass Wide Angle Port II			
	Canon RF 24-70mm f/2.8L IS USM	16346 RF2470 Gear Set		22160 N120 Extension Ring 60 II	18802 8.5" Acrylic Dome Port			
					18809 180mm Optical Glass Wide Angle Port			
					18812 230mm Optical Glass Wide Angle Port II			
				22125 + 22150 N120 Extension Ring 25 II + 50 II	* 18815 250mm Optical Glass Wide Angle Port II			
Canon EF 24-105mm f/4L IS USM	16337 RC24105 Gear Set		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				

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

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE			
STANDARD ZOOM FULL FRAME	Canon EF 24-105mm f/4L IS II USM	16339 RC24105II Gear Set		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				
	Canon EF 28-70mm f/3.5-4.5 II  <i>* This lens is not supported by R5C camera in video mode</i>	16334 RC2870II Gear Set		22190 N120 Extension Ring 90 II	18815 250mm Optical Glass Wide Angle Port II	On APS-C Sensor	Lens FOV 52-22° Converted FOV 90-38°		
						On Full Frame Sensor	Lens FOV 75-34° Converted FOV 130-59°		
		21325 N120 to N100 25mm Port Adaptor			85205 N100 WACP - C	On APS-C Sensor	Lens FOV 52-22° Converted FOV 90-38°		
						On Full Frame Sensor	Lens FOV 75-34° Converted FOV 130-59°		
	<i>* slight vignetting when focus distance from port to subject is less than 10cm at 28mm</i>								
	Canon RF 28-70mm f2L USM	16343 RC2870f2 Gear Set		22140 N120 Extension Ring 40 II	85204 N120 WACP - 2	On Full Frame Sensor	Lens FOV 75-63° Converted FOV 85-72° Zoom Range 28-35mm		
						<i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>			
				22160 N120 Extension Ring 60 II	18812 230mm Optical Glass Wide Angle Port II	<i>* This setup is only compatible with 18802 SN:A491459 onwards</i>			
						22180 N120 Extension Ring 80 II	* 18809 180mm Optical Glass Wide Angle Port  18815 250mm Optical Glass Wide Angle Port II	<i>* This setup is only compatible with 18809 SN:A512606 onwards</i>	
	Canon EF 28-80mm f/3.5-5.6 V USM	16344 C2880VUSM Gear Set		22130 N120 Extension Ring 30 II	85201 N120 WACP - 1			On APS-C Sensor	Lens FOV 51-19° Converted FOV 88-33°
						On Full Frame Sensor	Lens FOV 75-30° Converted FOV 130-52°		
21325 N120 to N100 25mm Port Adaptor				85205 N100 WACP - C	On APS-C Sensor	Lens FOV 51-23° Converted FOV 88-40°			
					On Full Frame Sensor	Lens FOV 75-31° Converted FOV 130-54° Zoom Range 28-77mm			
WIDE ANGLE APSC	Canon EF-S 10-18mm f/4.5-5.6 IS STM	16340 RC1018 Gear Set			85204 N120 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  <i>* Please refer to the following page for more setup options</i>	16303 + 16304 RC1022-Z + RC1022-F		21110 N120 Extension Ring 10	85204 N120 WACP - 2	On APS-C Sensor	Lens FOV 108-63° Converted FOV 128-72°		
						<i>* This setup is only compatible with WACP-2 before SN:A526311</i>			
			22110 N120 Extension Ring 10 II	85204 N120 WACP - 2	On APS-C Sensor	Lens FOV 108-63° Converted FOV 128-72°			
<i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>									

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	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
WIDE ANGLE APS-C	Canon EF-S 10-22mm f/3.5-4.5 IS USM	16303 + 16304 RC1022-Z + RC1022-F	22120 N120 Extension Ring 20 II	23211 8.5" white balance acrylic dome port	
			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	
	Sigma 8-16mm F4.5-5.6 DC HSM	16305 + 16306 RSC816-Z + RSC816-F	22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port	
			22150 N120 Extension Ring 50 II	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 F2.4 DG HSM   Art	16327 RSC1224A  Gear Set	22150 N120 Extension Ring 50 II	18815 250mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings I SN:A213191 before 09/2016</i>
			22160 N120 Extension Ring 60 II	* 18812 230mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings I SN:A143566 before 09/2016</i>
	Tokina AT-X 11-20mm F2.8 PRO DX	16328 RTC1120 Gear Set	22120 N120 Extension Ring 20 II	85204 N120 WACP - 2	On APS-C Sensor Lens FOV 100-68° Converted FOV 118-78°
			22160 N120 Extension Ring 60 II	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	
	Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	16309 + 16310 RSC1116-Z + RSC1116-F	21110 N120 Extension Ring 10	85204 N120 WACP - 2	On APS-C Sensor Lens FOV 110-81° Converted FOV 118-92°
			22110 N120 Extension Ring 10 II		<i>* This setup is only compatible with WACP-2 before SN:A526311</i>
				85204 N120 WACP - 2	On APS-C Sensor Lens FOV 110-81° Converted FOV 118-92°
					<i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>
				22160 N120 Extension Ring 60 II	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	

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	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE	
WIDE ANGLE FULL FRAME	Canon EF 11-24mm f/4L USM	16315 + 16316 RC1124-Z + RC1124-F		22150 N120 Extension Ring 50 II	* 18815 250mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings I SN:A213191 before 09/2016	
				22170 N120 Extension Ring 70 II	18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings I SN:A201966 before 09/2016	
				22170 + 22171 N120 Extension Ring 70 II + Focus Knob	18812 230mm Optical Glass Wide Angle Port II		
	Canon RF 14-35mm f/4L IS USM	16342 CR1435 Gear Set		22110 N120 Extension Ring 10	85204 N120 WACP - 2	On APS-C Sensor	Lens FOV 89-42° Converted FOV 104-48°
						On Full Frame Sensor	Lens FOV 114-63° Converted FOV 140-72°
				22110 N120 Extension Ring 10 II	85204 N120 WACP - 2	On APS-C Sensor	Lens FOV 89-42° Converted FOV 104-48°
						On Full Frame Sensor	Lens FOV 114-63° Converted FOV 140-72°
				22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port		
				22155 N120 Extension Ring 55 II	18802 8.5" Acrylic Dome Port		
						* 18812 230mm Optical Glass Wide Angle Port II	
	Canon RF 15-30mm f/4.5-6.3 IS STM	16345 CR1530 Gear Set		22120 N120 Extension Ring 20 II	85204 N120 WACP - 2	On APS-C Sensor	Lens FOV 84-49° Converted FOV 101-59°
						On Full Frame Sensor	Lens FOV 110-71° Converted FOV 133-81°
				22130 N120 Extension Ring 30 II	85201 N120 WACP - 1	On APS-C Sensor	Lens FOV 75-49° Converted FOV 130-85° Zoom Range 18-30mm
						On Full Frame Sensor	Lens FOV 75-72° Converted FOV 130-125° Zoom Range 28-30mm
				22140 N120 Extension Ring 40 II	* 18809 180mm Optical Glass Wide Angle Port		
22150 N120 Extension Ring 50 II				18802 8.5" Acrylic Dome Port			
					18812 230mm Optical Glass Wide Angle Port II		
21320 N120 to N100 20mm Port Adaptor	85205 N100 WACP - C	On APS-C Sensor	Lens FOV 75-49° Converted FOV 130-85° Zoom Range 18-30mm				

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			
WIDE ANGLE FULL FRAME	Canon RF 15-35mm f/2.8L IS USM	16341 CR1535 Gear Set	22135 N120 Extension Ring 35 II	85204 N120 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°		
			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	18815 250mm Optical Glass Wide Angle Port II	
			22180 N120 Extension Ring 80 II					
	Canon EF 16-35mm f/2.8 II USM	16311 + 16312 RC1635II-Z + RC1635II-F	22130 N120 Extension Ring 30 II	85204 N120 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°		
			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	18815 250mm Optical Glass Wide Angle Port II	
22180 N120 Extension Ring 80 II								
Canon EF 16-35mm f/2.8 III USM	16325 RC1635III Gear Set	22150 N120 Extension Ring 50 II	* 85204 N120 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°			
		22170 N120 Extension Ring 70 II	85201 N120 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			
		22180 N120 Extension Ring 80 II	18809 180mm Optical Glass Wide Angle Port	18802 8.5" Acrylic Dome Port	* 18812 230mm Optical Glass Wide Angle Port II	18815 250mm Optical Glass Wide Angle Port II		
22190 N120 Extension Ring 90 II								
Canon EF 16-35mm f/4L IS USM	16317 + 16318 RC1635f4-Z + RC1635f4-F	22130 N120 Extension Ring 30 II	* 85204 N120 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°			

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



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

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE				
WIDE ANGLE FULL FRAME	Canon EF 16-35mm f/4L IS USM	16317 + 16318 RC1635f4-Z+ RC1635f4-F	22160 N120 Extension Ring 60 II	85201 N120 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				
	ZEISS Distagon T* 15mm f/2.8 ZM	16319 ZC15-F	22155 N120 Extension Ring 55 II	18802 8.5" Acrylic Dome Port	18809 180mm Optical Glass Wide Angle Port	* This setup is not compatible with Extension Rings I SN:A055053 before 09/2016			
							22180 N120 Extension Ring 80 II	* 18812 230mm Optical Glass Wide Angle Port II	18815 250mm Optical Glass Wide Angle Port II
							22150 N120 Extension Ring 50 II	18809 180mm Optical Glass Wide Angle Port	
	ZEISS Milvus 18mm f/2.8 ZE	16329 ZMC-F	22150 N120 Extension Ring 50 II	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	22150 N120 Extension Ring 50 II	18809 180mm Optical Glass Wide Angle Port	* 18812 230mm Optical Glass Wide Angle Port II				
	FISHEYE APSC	Tokina AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5	16307 + 16308 RTC1017-Z+ RTC1017-F	21110 N120 Extension Ring 10	18804 4.33" Acrylic Dome Port for Tokina 10-17mm	* This setup is only compatible with 18810 before SN:A490446			
					22110 N120 Extension Ring 10 II		* 18810 140mm Optical Glass Fisheye Port	* This setup is only compatible with 18810 SN:A490446 onwards	
					22120 N120 Extension Ring 20 II		18802 8.5" Acrylic Dome Port		
Tokina AT-X 107 AF DX Fisheye AF with Kenko 1.4x Teleplus Pro 300 DGX		16320 + 16321 RTC1017+1.4-Z+ RTC1017+1.4-F	22120 N120 Extension Ring 20 II	22130 N120 Extension Ring 30 II	18804 4.33" Acrylic Dome Port for Tokina 10-17mm	* 18810 140mm Optical Glass Fisheye Port			
					22140 N120 Extension Ring 40 II		18802 8.5" Acrylic Dome Port		
							18812 230mm 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 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
<b>FISHEYE FULL FRAME</b>	Canon EF 8-15mm f/4L Fisheye USM	<b>16301 + 16302</b> RC815-Z + RC815-F	<b>22130</b> N120 Extension Ring 30 II	<b>18802</b> 8.5" Acrylic Dome Port  <b>* 18811</b> 140mm Optical Glass Fisheye Port with Removable Shade  <b>18812</b> 230mm Optical Glass Wide Angle Port II
	Canon EF 8-15mm f/4L Fisheye USM with Kenko 1.4x Teleplus Pro 300 DGX	<b>16322 + 16323</b> RC815+1.4-Z + RC815+1.4-F	<b>22150</b> N120 Extension Ring 50 II	<b>18802</b> 8.5" Acrylic Dome Port  <b>* 18811</b> 140mm Optical Glass Fisheye Port with Removable Shade  <b>18812</b> 230mm Optical Glass Wide Angle Port II



## N120 PORT SYSTEM FOR FUJIFILM G-MOUNT CAMERA SYSTEM ( Medium Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO MEDIUM FORMAT	Fujifilm GF 120mm f/4 Macro R LM OIS WR	<b>19823</b> GF120-F	<b>22160</b> N120 Extension Ring 60 II	<b>18701</b> Macro Port 60	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>  SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81201</b> SMC - 1	Max. Magnification <b>2.0X</b> Working Distance <b>65-93mm</b>
	Fujifilm GF 120mm f/4 Macro R LM OIS WR with HOYA +2 Close Up Diopter	<b>19823</b> GF120-F	<b>22170</b> N120 Extension Ring 70 II	<b>18701</b> Macro Port 60	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87302</b> EMWL Set #2	Lens FOV <b>25.7°</b> Converted FOV <b>60°/100°/130°/160°</b>
	Laowa 17mm f/4 GFX Zero-D	<b>19824 + 19825</b> GL17-A + GL17-F	<b>22135 + 22151</b> N120 Extension Ring 35 II + Focus Knob  <b>22135 + 22140</b> N120 Extension Ring 35 II + 40 II  <b>22135 + 22150</b> N120 Extension Ring 35 II + 50 II	<b>85204</b> N120 WACP - 2  <b>* 18815</b> 250mm Optical Glass Wide Angle Port II  <b>18812</b> 230mm Optical Glass Wide Angle Port II			Lens FOV <b>114°</b> Converted FOV <b>140°</b>
STANDARD ZOOM MEDIUM FORMAT	Fujifilm GF 63mm f/2.8 R WR			<b>18701</b> Macro Port 60			
	Fujifilm GF 35-70mm f/4.5-5.6 WR		<b>22170</b> N120 Extension Ring 70 II	<b>18802</b> 8.5" Acrylic Dome Port <i>* Minimum focus distance from port to subject is 0.40m at 35mm and 0.32m at 70mm</i>  <b>18809</b> 180mm Optical Glass Wide Angle Port <i>* Minimum focus distance from port to subject is 0.40m at 35mm and 0.27m at 70mm</i>  <b>18812</b> 230mm Optical Glass Wide Angle Port II <i>* Minimum focus distance from port to subject is 0.40m at 35mm and 0.33m at 70mm</i>			
			<b>22180</b> N120 Extension Ring 80 II  <b>22140</b> N120 Extension Ring 40 II	<b>* 18815</b> 250mm Optical Glass Wide Angle Port II <i>* Minimum focus distance from port to subject is 0.30m at 35mm and 0.20m at 70m</i>  <b>* 85201</b> N120 WACP - 1 <i>* Minimum focus distance from port to subject is 0.20m at 35mm and 0.10m at 70mm</i>		Lens FOV <b>76-42.7°</b> Converted FOV <b>131.5-74°</b>	
WIDE ANGLE MEDIUM FORMAT	Fujifilm GF 23mm F4 R LM WR		<b>22120</b> N120 Extension Ring 20 II  <b>22160</b> N120 Extension Ring 60 II	<b>85204</b> N120 WACP - 2  <b>18812</b> 230mm Optical Glass Wide Angle Port II <i>* Minimum focus distance from port to subject is 0.38m</i>  <b>* 18815</b> 250mm Optical Glass Wide Angle Port II <i>* Minimum focus distance from port to subject is 0.24m</i>		Lens FOV <b>100°</b> Converted FOV <b>118°</b>	

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 PORT SYSTEM FOR FUJIFILM G-MOUNT CAMERA SYSTEM (EF-Mount with Metabones EF-GFX Mount Smart Expander 1.26x)

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
WIDE ANGLE MEDIUM FORMAT	Fujifilm GF 32-64mm f/4 R LM WR	19822 GF3264-Z	22140 + 22160 N120 Extension Ring 40 II + 60 II	* 18815 250mm Optical Glass Wide Angle Port II <i>* Minimum focus distance from port to subject is 0.50m</i>			
	Fujifilm GF 45mm f/2.8 R WR		22130 N120 Extension Ring 30 II	18805 10" Acrylic Wide Angle Port <i>* Minimum focus distance from port to subject is 0.45m</i>			
				18701 Macro Port 60			
				85201 N120 WACP - 1			Lens FOV 63° Converted FOV 109°
CANON EF-MOUNT (with Metabones EF-GFX mount Smart Expander 1.26x) FULL FRAME	Canon EF 100mm f/2.8L Macro IS USM	TBD CGF100IS-F	22130 N120 Extension Ring 30 II	18703 Macro Port 94	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification 2.8X Working Distance 44-93mm
						81202 SMC - 2	Max. Magnification 4.5X Working Distance 21-37mm
						81201 SMC - 1	Max. Magnification 2.8X Working Distance 44-93mm
						81202 SMC - 2	Max. Magnification 4.5X Working Distance 21-37mm
	Canon EF 28-70mm f/3.5-4.5 II	TBD CGF2870f3.5II-Z	22150 N120 Extension Ring 50 II	85201 N120 WACP - 1			Lens FOV 75-34° Converted FOV 130-59°
	Canon EF 16-35mm f/2.8 III USM	TBD CGF1635III-Z	22180 N120 Extension Ring 80 II	85204 N120 WACP - 2			Lens FOV 107-63° Converted FOV 128-72°
			22190 + 22130 N120 Extension Ring 90 II + 30 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 16-35mm f/4 IS USM	TBD CGF1635f4-Z	22160 N120 Extension Ring 60 II	85204 N120 WACP - 2			Lens FOV 107-63° Converted FOV 128-72°
		22170 + 22130 N120 Extension Ring 70 II + 30 II	18802 8.5" Acrylic Dome Port				
		22180 + 22130 N120 Extension Ring 80 II + 30 II	* 18812 230mm Optical Glass Wide Angle Port II				
			18815 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 port system based on best optical performance  
\* Secondary setup recommendation based on optical performance



## N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM ( DX & FX Format Lens )

	CAMERA LENS	GEAR	PORT BASE	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
MACRO DX	Nikon AF-S DX Micro NIKKOR 40mm f/2.8G DX	19152 N40G-F			18705 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV	39°
								Converted FOV	150°
	Nikon AF-S DX Micro NIKKOR 85mm f/3.5G ED VR	19129 N85VR-F	18211 Compact Port Base		18305 Compact Port 30 with M67 Thread	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81201 SMC - 1	Max. Magnification	2.5X
							81202 SMC - 2	Working Distance	51-96mm
							81302 CMC - 2	Max. Magnification	3.9X
								Working Distance	23-37mm
							81302 CMC - 2	Max. Magnification	2.1X
								Working Distance	57-125mm
							81201 SMC - 1	Max. Magnification	2.5X
								Working Distance	51-96mm
						81202 SMC - 2	Max. Magnification	3.9X	
							Working Distance	23-37mm	
						81302 CMC - 2	Max. Magnification	2.1X	
							Working Distance	57-125mm	
						81201 SMC - 1	Max. Magnification	2.5X	
							Working Distance	51-96mm	
						81202 SMC - 2	Max. Magnification	3.9X	
							Working Distance	23-37mm	
						81302 CMC - 2	Max. Magnification	2.1X	
							Working Distance	57-125mm	
						81201 SMC - 1	Max. Magnification	2.5X	
							Working Distance	51-96mm	
						81202 SMC - 2	Max. Magnification	3.9X	
							Working Distance	23-37mm	
						81302 CMC - 2	Max. Magnification	2.1X	
							Working Distance	57-125mm	
MACRO FX	Nikon AF Micro-NIKKOR 60mm f/2.8D		18211 Compact Port Base		18301 Compact Port 30			Max. Magnification	1.4X
								Working Distance	4-73mm
	Nikon AF-S Micro NIKKOR 60mm f/2.8G ED	19121 N60G-F			18701 Macro Port 60	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Max. Magnification	1.2X
							81302 CMC - 2	Working Distance	11-123mm
							81301 CMC - 1	Max. Magnification	1.4X
								Working Distance	4-73mm
							81302 CMC - 2	Max. Magnification	1.2X
								Working Distance	11-123mm
							83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	Lens FOV	39°
								Converted FOV	150°
						81301 CMC - 1	Max. Magnification	1.4X	
							Working Distance	4-73mm	
						81302 CMC - 2	Max. Magnification	1.2X	
							Working Distance	11-123mm	
						81301 CMC - 1	Max. Magnification	1.4X	
							Working Distance	4-73mm	
						81302 CMC - 2	Max. Magnification	1.2X	
							Working Distance	11-123mm	
						81301 CMC - 1	Max. Magnification	1.4X	
							Working Distance	4-73mm	
						81302 CMC - 2	Max. Magnification	1.2X	
							Working Distance	11-123mm	

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 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM ( DX & FX Format Lens )

	CAMERA LENS	GEAR	PORT BASE	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
MACRO FX	Nikon AF-S Micro NIKKOR 60mm f-2.8G ED with HOYA +4 Diopter <i>* This setup can only be used on DX sensor camera</i>	19121 N60G-F			18701 Macro Port 60	83250 M67 to Bayonet Mount Converter II	87303 EMWL Set #3 <small>On DX Sensor</small>	Lens FOV 26.5° Converted FOV 60°/100°/130°/160°	
	Nikon AF Micro 105mm f/2.8D		18211 Compact Port Base	18520 Compact Port Extension 20  18540 Compact Port Extension 40	18302 Compact Port 50  18301 Compact Port 30				
	Nikon AF-S VR Micro-NIKKOR 105mm f/2.8G IF-ED	19122 N105VR-F		22130 N120 Extension Ring 30 II	18701 Macro Port 60	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>  SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1  81202 SMC - 2  81201 SMC - 1  81202 SMC - 2	Max. Magnification 2.5X Working Distance 53-95mm  Max. Magnification 4.2X Working Distance 24-38mm  Max. Magnification 2.5X Working Distance 53-95mm  Max. Magnification 4.2X Working Distance 24-38mm	
					18702 Macro Port 87	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>  SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1  81202 SMC - 2  81201 SMC - 1  81202 SMC - 2	Max. Magnification 2.5X Working Distance 53-95mm  Max. Magnification 4.2X Working Distance 24-38mm  Max. Magnification 2.5X Working Distance 53-95mm  Max. Magnification 4.2X Working Distance 24-38mm	
				18211 Compact Port Base	18306 Compact Port 50 with M67 Thread	83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV 23.3° Converted FOV 60°/100°/130°/160°	
						SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>  SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81201 SMC - 1  81202 SMC - 2  81201 SMC - 1  81202 SMC - 2	Max. Magnification 2.5X Working Distance 53-95mm  Max. Magnification 4.2X Working Distance 24-38mm  Max. Magnification 2.5X Working Distance 53-95mm  Max. Magnification 4.2X Working Distance 24-38mm	
	Sigma 50mm F2.8 EX DG Macro			18211 Compact Port Base	18520 Compact Port Extension 20	18303 Compact Port 15			
	Sigma 70mm F2.8 EX DG Macro			18211 Compact Port Base	18550 Compact Port Extension 50  18530 Compact Port Extension 30	18301 Compact Port 30  18302 Compact Port 50			
	Sigma 105mm F2.8 EX DG OS HSM Macro  <i>*Please refer to the following page for more setup options</i>	19147 SN105-F			22135 N120 Extension Ring 35 II	18701 Macro Port 60	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>  SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC  83250 M67 to Bayonet Mount Converter II	81201 SMC - 1  81201 SMC - 1  87302 EMWL Set #2	Max. Magnification 2.3X Working Distance 46-93mm  Max. Magnification 2.3X Working Distance 46-93mm  Lens FOV 23° Converted FOV 60°/100°/130°/160°

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 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM ( DX & FX Format Lens )

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO FX	<b>Sigma 105mm F2.8 EX DG OS HSM Macro</b>	<b>19147</b> SN105-F		<b>22130</b> N120 Extension Ring 30 II	<b>18701</b> Macro Port 60	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81201</b> SMC - 1	Max. Magnification <b>2.3X</b> Working Distance <b>50-93mm</b>
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81201</b> SMC - 1	Max. Magnification <b>2.3X</b> Working Distance <b>50-93mm</b>
	<b>Laowa 24mm f/14 2X Macro Probe</b>	<b>19155</b> Laowa24 Gear Set		<b>22170 + 22171</b> N120 Extension Ring 70 II + Focus Knob	<b>16336</b> N120 Port Adaptor for Laowa 24mm f/14 2X Macro Probe			
STANDARD ZOOM DX	<b>Nikon AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR</b>	<b>19123</b> N1855VR-Z	<b>18211</b> Compact Port Base		<b>18301</b> Compact Port 30			
	<b>Nikon AF-S DX NIKKOR 18-55mm f/3.5-5.6G ED II</b>	<b>19124</b> N1855II-Z	<b>18211</b> Compact Port Base		<b>18301</b> Compact Port 30			
	<b>Nikon AF-S DX Micro NIKKOR 18-55mm f/3.5-5.6G VR II</b>	<b>19144</b> N1855VRII-Z		<b>22135</b> N120 Extension Ring 35 II	<b>85201</b> N120 WACP - 1			Lens FOV <b>76-29°</b> Converted FOV <b>130-50°</b>
			<b>21335</b> N120 to N100 35mm Port Adaptor	<b>85205</b> N100 WACP - C			Lens FOV <b>76-29°</b> Converted FOV <b>130-50°</b>	
			<b>18211</b> Compact Port Base	<b>18304</b> Compact Port 15 with M67 Thread	<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1	Lens FOV <b>40-29°</b> Converted FOV <b>150-109°</b> Zoom Range <b>40-55mm</b>	
	<b>Nikon AF-P DX NIKKOR 18-55mm f/3.5-5.6G</b>	<b>19164</b> N1855AFP-Z	<b>21335</b> N120 to N100 35mm Port Adaptor		<b>85205</b> N100 WACP - C			Lens FOV <b>76-29°</b> Converted FOV <b>130-50°</b>
	<b>Nikon AF-P DX NIKKOR 18-55mm f/3.5-5.6G VR</b>	<b>19164</b> N1855AFP-Z	<b>21335</b> N120 to N100 35mm Port Adaptor		<b>85205</b> N100 WACP - C			Lens FOV <b>76-29°</b> Converted FOV <b>130-50°</b>
	<b>Sigma 17-70mm F2.8-4.5 DC Macro HSM</b>	<b>19132</b> SN1770-Z		<b>22150</b> N120 Extension Ring 50 II	<b>18802</b> 8.5" Acrylic Dome Port			
	<b>Sigma 17-70mm F2.8-4 DC Macro OS HSM</b>	<b>19133</b> SN1770OS-Z		<b>22150</b> N120 Extension Ring 50 II	<b>18802</b> 8.5" Acrylic Dome Port			
	<b>Sigma 17-70mm F2.8-4 DC Macro OS HSM   C</b>	<b>19140</b> SN1770OSC-Z		<b>22140</b> N120 Extension Ring 40 II	<b>18802</b> 8.5" Acrylic Dome Port			
<b>Sigma 18-35mm F1.8 DC HSM   A</b>	<b>19146</b> SN1835f1.8-Z		<b>22180</b> N120 Extension Ring 80 II	<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					
			<b>22150 + 22150</b> N120 Extension Ring 50 II + 50 II	<b>18815</b> 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 port system based on best optical performance  
\* Secondary setup recommendation based on optical performance



## N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM ( DX & FX Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE		
<b>STANDARD ZOOM</b> FX	Nikon AF-S NIKKOR 24-85mm f/3.5-4.5G ED VR	19139 N2485-Z		22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port			
	Nikon AF-S Nikkor 28mm f/1.8 G			22120 N120 Extension Ring 20 II	85201 N120 WACP - 1	Lens FOV 75° Converted FOV 130°		
				21320 N120 to N100 20mm Port Adaptor	85205 N100 WACP - C	Lens FOV 75° Converted FOV 130°		
	Nikon AF Nikkor 28mm f/2.8D				85201 N120 WACP - 1	Lens FOV 75° Converted FOV 130°		
Nikon AF Nikkor 28-70mm f/3.5-4.5D	19148 N2870f3.5D-Z			22135 N120 Extension Ring 35 II	85201 N120 WACP - 1	Lens FOV 75-34° Converted FOV 130-59°		
				21329 N120 to N100 29.3mm Port Adaptor	85205 N100 WACP - C	Lens FOV 75-34° Converted FOV 130-59°	<i>* slight vignetting when focus distance from port to subject is less than 10cm at 28mm</i>	
<b>WIDE ANGLE</b> DX	Nikon AF-S DX NIKKOR 10-24mm f/3.5-4.5G ED	19135 N1024-Z		22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port			
	Nikon AF-S DX NIKKOR 12-24mm f/4G IF-ED	19125 N1224-Z		22160 N120 Extension Ring 60 II	18802 8.5" Acrylic Dome Port			
	Sigma 8-16mm F4.5-5.6 DC HSM	19136 SN816-Z			22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port		
					22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port		
					* 18812 230mm Optical Glass Wide Angle Port II			
					18815 250mm Optical Glass Wide Angle Port II			
	Sigma 10-20mm F4-5.6 EX DC HSM	19126 SN1020-Z			22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port		
					22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome 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	19128 TN1116-Z			22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port			
				22160 N120 Extension Ring 60 II	18809 180mm Optical Glass Wide Angle Port			
				* 18812 230mm Optical Glass Wide Angle Port II				
				18815 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 port system based on best optical performance  
\* Secondary setup recommendation based on optical performance



## N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM ( DX & FX Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE	
WIDE ANGLE DX	Tokina AT-X 124 AF PRO DX AF 12-24mm f/4	19134 TN1224-Z	22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port		
			22160 N120 Extension Ring 60 II	18809 180mm Optical Glass Wide Angle Port	* 18812 230mm Optical Glass Wide Angle Port II	
WIDE ANGLE FX	Nikon AF-S NIKKOR 14-24mm f/2.8G ED	19131 N1424-Z	22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port		
	Nikon AF-S NIKKOR 16-35mm f/4G ED VR	19138 N1635-Z	22180 N120 Extension Ring 80 II	* 18812 230mm Optical Glass Wide Angle Port II		
			22150 N120 Extension Ring 50 II	* 85204 N120 WACP - 2	Lens FOV 105-63° Converted FOV 128-72°	
			22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port		
			85201 N120 WACP - 1	On DX Sensor	Lens FOV 75-45° Converted FOV 130-78° Zoom Range 18-35mm	
			22180 N120 Extension Ring 80 II	18809 180mm Optical Glass Wide Angle Port	On Full Frame Sensor	Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
					22190 N120 Extension Ring 90 II	* 18812 230mm Optical Glass Wide Angle Port II
			19138 + 19142 N1635-Z + N1635-F	22140 + 22131 N120 Extension Ring 40 II + Focus Knob	85204 N120 WACP - 2	Lens FOV 105-63° Converted FOV 128-72°
				22170 + 22171 N120 Extension Ring 70 II + Focus Knob	18802 8.5" Acrylic Dome Port	
		Nikon AF-S 17-35mm f/2.8D IF-ED	19130 N1735-Z	22130 N120 Extension Ring 30 II	85204 N120 WACP - 2	Lens FOV 104-63° Converted FOV 123-72°
22150 N120 Extension Ring 50 II				85201 N120 WACP - 1	On DX Sensor	Lens FOV 75-45° Converted FOV 130-78° Zoom Range 18-35mm
				On Full Frame Sensor	Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm	

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 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM ( DX & FX Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE	
WIDE ANGLE FX	Nikon AF-S 17-35mm f/2.8D IF-ED	19130 N1735-Z	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		
		19130 + 19159 N1735-Z + N1735-F <i>* a spacer is required for this setup which is included in the package</i>	22135 + 22151 N120 Extension Ring 35 II + Focus Knob	* 85204 N120 WACP - 2		Lens FOV 104-63° Converted FOV 123-72°
		19130 + 19159 N1735-Z + N1735-F <i>* spacer is not required</i>	22150 + 22151 N120 Extension Ring 50 II + Focus Knob	85201 N120 WACP - 1	On DX Sensor	Lens FOV 75-45° Converted FOV 130-78° Zoom Range 18-35mm
			22170 + 22171 N120 Extension Ring 70 II + Focus Knob	18802 8.5" Acrylic Dome Port	On Full Frame Sensor	Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
			* 18812 230mm Optical Glass Wide Angle Port II			
			18815 250mm Optical Glass Wide Angle Port II			
	Nikon AF-S 18-35mm f/3.5-4.5G ED	19141 N1835-Z	22140 N120 Extension Ring 40 II	85201 N120 WACP - 1	On DX Sensor	Lens FOV 77-45° Converted FOV 130-78°
					On Full Frame Sensor	Lens FOV 75-63° Converted FOV 130-109°
			22160 N120 Extension Ring 60 II	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			
Sigma 12-24mm F4 DG HSM   Art	19149 SN1224A-Z	22150 N120 Extension Ring 50 II	18815 250mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings I SN:A213191 before 09/2016</i>		
		22160 N120 Extension Ring 60 II	* 18812 230mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings I SN:A143566 before 09/2016</i>		
Sigma 14-24mm F2.8 DG HSM   Art	19153 SN1424A-Z	22160 N120 Extension Ring 60 II	18809 180mm Optical Glass Wide Angle Port	<i>* This setup is not compatible with Extension Rings I SN:A143566 before 09/2016</i>		
		22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port	<i>* This setup is not compatible with Extension Rings I SN:A201966 before 09/2016</i>		
			* 18812 230mm Optical Glass Wide Angle Port II			
			18815 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 port system based on best optical performance  
\* Secondary setup recommendation based on optical performance



## N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM ( DX & FX Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT		
<b>WIDE ANGLE</b> FX	Sigma 20mm F4 DG HSM   A		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	
	Zeiss Distagon T* 2.8/15 ZF.2	19145 ZN15-F	22155 N120 Extension Ring 55 II	18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings I SN:A201966 before 12/2016	
<b>FISHEYE</b> DX	Nikon AF DX Fisheye 10.5mm f/2.8G ED			18802 8.5" Acrylic Dome Port		
				* 18810 140mm Optical Glass Fisheye Port		
				18812 230mm Optical Glass Wide Angle Port II		
		Sigma 10mm F2.8 EX DC HSM Fisheye			18803 4.33" Acrylic dome port	
				18802 8.5" Acrylic Dome Port		
				18804 4.33" Acrylic dome port		
		Tokina AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5	19127 TN1017-Z		18810 140mm Optical Glass Fisheye Port	* This setup is only compatible with 18810 before SN:A490446
	21110 N120 Extension Ring 10			18810 140mm Optical Glass Fisheye Port	* This setup is only compatible with 18810 SN:A490446 onwards	
	22120 N120 Extension Ring 20 II			18802 8.5" Acrylic Dome Port		
		Tokina AT-X 107 AF DX Fisheye with Kenko 1.4x Teleplus Pro 300 DGX	19227 TN1017-Z+1.4		* 18812 230mm Optical Glass Wide Angle Port II	
21110 N120 Extension Ring 10 II	18810 140mm Optical Glass Fisheye Port					
22120 N120 Extension Ring 20 II	18804 4.33" Acrylic dome port for Tokina AT-X 107 AF DX Fisheye					
			22130 N120 Extension Ring 30 II	18810 140mm Optical Glass Fisheye Port		
			22140 N120 Extension Ring 40 II	18802 8.5" Acrylic Dome Port		
			* 18812 230mm 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 port system based on best optical performance  
\* Secondary setup recommendation based on optical performance



## N120 PORT SYSTEM FOR NIKON F-MOUNT CAMERA SYSTEM ( DX & FX Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT
FISHEYE FX	Nikon AF-S Fisheye NIKKOR 8-15mm f/3.5-4.5E ED	19150 N815-Z	22120 N120 Extension Ring 20 II	18802 8.5" Acrylic Dome Port * 18811 140mm Optical Glass Fisheye Dome Port with Removable Shade 18812 230mm Optical Glass Wide Angle Port II
			22130 N120 Extension Ring 30 II	18803 4.33" Acrylic dome port
	Nikon AF-S Fisheye 8-15mm f/3.5-4.5E ED with Kenko 1.4x Teleplus Pro 300 DGX	19151 N815-Z+1.4	22140 N120 Extension Ring 40 II	18802 8.5" Acrylic Dome Port * 18811 140mm Optical Glass Fisheye Dome Port with Removable Shade 18812 230mm Optical Glass Wide Angle Port II
			22150 N120 Extension Ring 50 II	18803 4.33" Acrylic dome port
	Nikon AF Fisheye 16mm f/2.8D			18802 8.5" Acrylic Dome Port 18810 140mm Optical Glass Fisheye Port * 18812 230mm Optical Glass Wide Angle Port II
	Sigma 15mm F2.8 EX DG Diagonal Fisheye	19143 SN15-F		18802 8.5" Acrylic Dome Port 18810 140mm Optical Glass Fisheye Port * 18812 230mm Optical Glass Wide Angle Port II





## N120 PORT SYSTEM FOR NIKON Z-MOUNT CAMERA SYSTEM ( FX Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
MACRO FX	NIKKOR Z MC 50mm f/2.8 Macro		21110 N120 Extension Ring 10	18706 Macro Port 12	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Max. Magnification 1.6X Working Distance 8-64mm	
					<i>* This setup is only compatible with 18706 before SN:A524910</i>	81302 CMC - 2	Max. Magnification 1.4X Working Distance 16-109mm	
			22110 N120 Extension Ring 10 II	18706 Macro Port 12	SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Max. Magnification 1.6X Working Distance 8-64mm	
					<i>* This setup is only compatible with 18706 SN:A524910 onwards</i>	81302 CMC - 2	Max. Magnification 1.4X Working Distance 16-109mm	
	Nikkor Z MC 105mm f/2.8 VR S Macro	19161 NZ105VR-F		18708 Macro Port 80	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	Max. Magnification 2.2X Working Distance 45-94mm	
					<i>* This setup is only compatible with 18706 SN:A524910 onwards</i>	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	
				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	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm
						<i>* This setup is only compatible with 18706 SN:A524910 onwards</i>	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm
STANDARD ZOOM FX	Nikkor Z 24-50mm f/4-6.3 Lens	19163 NZ2450-Z	22120 N120 Extension Ring 20 II	* 18809 180mm Optical Glass Wide Angle Port	81201 SMC - 1	Max. Magnification 2.2X Working Distance 45-94mm		
				<i>* Please refer to the following page for more setup options</i>	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm		
			22130 N120 Extension Ring 30 II	18802 8.5" Acrylic Dome Port	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	Max. Magnification 2.2X Working Distance 45-94mm	
					<i>* Please refer to the following page for more setup options</i>	81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-38mm	
			18812 230mm Optical Glass Wide Angle Port II	87302 EMWL Set #2	Lens FOV 23° Converted FOV 60°/100°/130°/160°			

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
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 PORT SYSTEM FOR NIKON Z-MOUNT CAMERA SYSTEM ( FX Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
STANDARD ZOOM FX	Nikkor Z 24-50mm f/4-6.3 Lens	19163 NZ2450-Z			18707 N120 Macro Port 6	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Max. Magnification 0.9X Working Distance 49-75mm	
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Max. Magnification 0.9X Working Distance 49-75mm	
	Nikkor Z 24-70mm f/2.8 S Lens	19157 NZ2470f2.8S-Z		22125 N120 Extension Ring 25 II	85204 N120 WACP - 2				Lens FOV 84-46° Converted FOV 98-56°
				22170 N120 Extension Ring 70 II					
Nikkor Z 24-70mm f/4 S Lens	19154 NZ2470-Z		22120 N120 Extension Ring 20 II	85201 N120 WACP - 1				Lens FOV 75-70° Converted FOV 130-121° Zoom Range 28-32mm	
			21320 N120 to N100 20mm Port Adaptor					85205 N100 WACP - C	Lens FOV 75-70° Converted FOV 130-121° Zoom Range 28-32mm
			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 II			
Nikkor Z 28-75mm f/2.8 Lens	19162 NZ2875-Z		22135 N120 Extension Ring 35 II	85201 N120 WACP - 1				Lens FOV 75-48° Converted FOV 130-83° Zoom Range 28-48mm	
			22180 N120 Extension Ring 80 II					18802 8.5" Acrylic Dome Port	18809 180mm Optical Glass Wide Angle Port
			22170 N120 Extension Ring 70 II	18815 250mm Optical Glass Wide Angle Port II					
WIDE ANGLE FX	Nikkor Z 14-24mm f/2.8 S	19160 NZ1424-Z		21110 N120 Extension Ring 10	85204 N120 WACP - 2			Lens FOV 114-87° Converted FOV 140-98°	
	* Please refer to the following page for more setup options					* This setup is only compatible with WACP-2 before SN:A526311			

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
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 PORT SYSTEM FOR NIKON Z-MOUNT CAMERA SYSTEM ( FX & Full Frame Format Lenses )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE	
<b>WIDE ANGLE FX</b>	Nikkor Z 14-24mm f/2.8 S	19160 NZ1424-Z		22110 N120 Extension Ring 10 II	85204 N120 WACP - 2	Lens FOV 114-87° Converted FOV 140-98°  <i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>	
				22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port		
				22155 N120 Extension Ring 55 II	18802 8.5" Acrylic Dome Port		
	Nikkor Z 14-30mm f/4 S	19156 NZ1430-Z		22150 N120 Extension Ring 50 II	18812 230mm Optical Glass Wide Angle Port II	85204 N120 WACP - 2	Lens FOV 114-72° Converted FOV 140-81°
					18815 250mm Optical Glass Wide Angle Port II		
	Nikkor Z 35mm f1.8 S					85201 N120 WACP - 1	Lens FOV 63° Converted FOV 110°
<b>SONY E-MOUNT</b>	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS with Megadap ETZ 21 Adaptor	19158 NE2870-Z		22120 N120 Extension Ring 20 II	85201 N120 WACP - 1	Lens FOV 75-34° Converted FOV 130-59°	
				21315 N120 to N100 15mm Port Adaptor	85205 N100 WACP - C	Lens FOV 75-34° Converted FOV 130-59°	
<b>NIKON F-MOUNT</b>	Nikon F-mount Lenses with Nikon Adaptor FTZ				N120 Nikon F-Mount Port System		

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
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 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			22120 N120 Extension Ring 20 II	18708 Macro Port 80	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	Max. Magnification 2.4X Working Distance 46-78mm
							81202 SMC - 2	Max. Magnification 3.7X Working Distance 23-33mm
						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	Max. Magnification 2.4X Working Distance 46-78mm
							81202 SMC - 2	Max. Magnification 3.7X Working Distance 23-33mm
						83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV 23.3° Converted FOV 60°/100°/130°/160°
							81201 SMC - 1	Max. Magnification 2.4X Working Distance 46-78mm
							81202 SMC - 2	Max. Magnification 3.7X Working Distance 23-33mm
							81201 SMC - 1	Max. Magnification 2.4X Working Distance 46-78mm
		81202 SMC - 2	Max. Magnification 3.7X Working Distance 23-33mm					
			83250 M67 to Bayonet Mount Converter II	87301 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			
				22190 N120 Extension Ring 90 II	18815 250mm Optical Glass Wide Angle Port II			
	Panasonic Lumix S 24-105mm f/4	19721 PS24105-Z		22135 N120 Extension Ring 35 II	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		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			

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 PORT SYSTEM FOR PANASONIC L-MOUNT CAMERA SYSTEM ( Full Frame & EF-Mount with Sigma Mount Converter MC-21 Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
<b>STANDARD ZOOM FULL FRAME</b>	Panasonic Lumix S 24-105mm f/4	<b>19721 + 19724</b> PS24105-Z + PS24105-F	<b>22150 + 22151</b> N120 Extension Ring 50 II + Focus Knob	<b>18809</b> 180mm Optical Glass Wide Angle Port	
<b>WIDE ANGLE FULL FRAME</b>	Panasonic Lumix S PRO 16-35mm f/4	<b>19728</b> PL1635-Z  <b>19728 + 19729</b> PL1635-Z + PL1635-F	<b>22150 + 22151</b> N120 Extension Ring 50 II + Focus Knob	<b>85204</b> N120 WACP - 2  <b>18812</b> 230mm Optical Glass Wide Angle Port II	Lens FOV 105-63° Converted FOV 128-72°
	Sigma 14-24mm F2.8 DG DN Art	<b>19726</b> SLE1424-Z	<b>22125</b> N120 Extension Ring 25 II  <b>22150</b> N120 Extension Ring 50 II	<b>85204</b> N120 WACP - 2  <b>18809</b> 180mm Optical Glass Wide Angle Port	Lens FOV 94-84° Converted FOV 115-98° Zoom Range 20-24mm
	Leica Super-Vario-Elmar-SL 16-35mm f/3.5-4.5 ASPH	<b>19722</b> LS1635-Z  <b>19722 + 19723</b> LS1635-Z + LS1635-F	<b>22160</b> N120 Extension Ring 60 II  <b>22170</b> N120 Extension Ring 70 II	<b>18809</b> 180mm Optical Glass Wide Angle Port  <b>18802</b> 8.5" Acrylic Dome Port  * <b>18812</b> 230mm Optical Glass Wide Angle Port II  <b>18815</b> 250mm Optical Glass Wide Angle Port II	
			<b>22170 + 22171</b> N120 Extension Ring 70 II + Focus Knob	<b>18812</b> 230mm Optical Glass Wide Angle Port II	
<b>SIGMA EF-MOUNT ( with Sigma Mount Converter MC-21 ) FULL FRAME</b>	Sigma 12-24mm F4 DG HSM   Art	<b>19556</b> SC1224A-Z	<b>22150</b> N120 Extension Ring 50 II  <b>22160</b> N120 Extension Ring 60 II	<b>18815</b> 250mm Optical Glass Wide Angle Port II  * <b>18812</b> 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings I SN:A213191 before 09/2016  * This setup is not compatible with Extension Rings I SN:A143566 before 09/2016
	Sigma 14mm F1.8 DG HSM   Art	<b>19563</b> SC14A-F	<b>22170</b> N120 Extension Ring 70 II	<b>18802</b> 8.5" Acrylic Dome Port  * <b>18812</b> 230mm Optical Glass Wide Angle Port II  <b>18815</b> 250mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings I SN:A201966 before 09/2016
	Sigma 14-24mm F2.8 DG HSM   Art	<b>19564</b> SC1424A-Z	<b>22160</b> N120 Extension Ring 60 II  <b>22170</b> N120 Extension Ring 70 II	<b>18809</b> 180mm Optical Glass Wide Angle Port  <b>18802</b> 8.5" Acrylic Dome Port  * <b>18812</b> 230mm Optical Glass Wide Angle Port II  <b>18815</b> 250mm Optical Glass Wide Angle Port II	
	* Please refer to the following page for more setup options				

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 PORT SYSTEM FOR PANASONIC L-MOUNT CAMERA SYSTEM ( EF-Mount with Sigma Mount Converter MC-21 Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
SIGMA EF-MOUNT ( with Sigma Mount Converter MC-21 ) FULL FRAME	Sigma 14-24mm F2.8 DG DN Art	19726 SLE1424-Z		22160 N120 Extension Ring 60 II	18802 8.5" Acrylic Dome Port	
					18812 230mm Optical Glass Wide Angle Port II	
		19726 + 19727 SLE1424-Z + SLE1424-F		22150 + 22151 N120 Extension Ring 50 II + Focus Knob	* 18815 250mm Optical Glass Wide Angle Port II	
	Sigma 20mm F1.4 DG HSM   Art			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 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	85201 N120 WACP - 1	Lens FOV 72-34° Converted FOV 128-59° Zoom Range 30-70mm
		19557 C2870f3.5II-Z		22125 N120 Extension Ring 25 II	* 85201 N120 WACP - 1	Lens FOV 75-34° Converted FOV 130-59° Zoom Range 28-70mm
		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 port system based on best optical performance  
\* Secondary setup recommendation based on optical performance

# N120 Port System for Red™ System (Nikon mount)

MACRO







## N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	PORT BASE	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO APS-C	Canon EF-S 60mm f2.8 Macro USM	19521 C60-F	18211 Compact Port Base		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	Max. Magnification 1.6X Working Distance 38-120mm
							81201 SMC - 1	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	Max. Magnification 1.6X Working Distance 38-120mm
							81201 SMC - 1	Max. Magnification 1.6X Working Distance 28-94mm
					18303 Compact Port 15	83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2	Lens FOV 24.5° Converted FOV 60°/100°/130°/160°
MACRO FULL FRAME	Laowa 24mm f/14 2X Macro Probe	19155 N120 DSLR Gear Set		22170 + 22171 N120 Extension Ring 70 II + Focus Knob	16336 N120 Port Adaptor for Laowa 24mm f/14 2X			
	Canon EF 40mm f2.8 STM <i>* This setup can only be used on APS-C sensor camera</i>				18706 Macro Port 12	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	On APS-C Sensor Lens FOV 37° Converted FOV 135°
	Canon MP-E 65mm f/2.8 1-5x	19539 C65-F	18211 Compact Port Base	18550 Compact Port Extension 50	18306 Compact Port 50 with M67 Thread <i>* magnification 3X</i>			
				18550 + 18530 Compact Port Extension 50 + 30	18306 Compact Port 50 with M67 Thread <i>* magnification 4X</i>			
			18550 + 18530 + 18530 Compact Port Extension 50 + 30 + 30	18306 Compact Port 50 with M67 Thread <i>* magnification 5X</i>				
Canon EF 100mm f2.8 Macro USM	19522 C100-F				18702 Macro Port 87	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	Max. Magnification 2.6X Working Distance 53-93mm
							81202 SMC - 2	Max. Magnification 4.3X Working Distance 28-38mm
						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	Max. Magnification 2.6X Working Distance 53-93mm
							81202 SMC - 2	Max. Magnification 4.3X Working Distance 28-38mm
					83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV 24° Converted FOV 60°/100°/130°/160°	
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	Max. Magnification 2.2X Working Distance 45-89mm
							81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-36mm

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

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 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO FULL FRAME	Canon EF 100mm f/2.8L Macro IS USM	19523 C100IS-F			18703 Macro Port 94	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	Max. Magnification 2.2X Working Distance 45-89mm
							81202 SMC - 2	Max. Magnification 3.6X Working Distance 22-36mm
						83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2	Lens FOV 23.4° Converted FOV 60°/100°/130°/160°
	Canon EF 180mm f/3.5L Macro USM			22160 N120 Extension Ring 60 II	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	Max. Magnification 3.6X Working Distance 63-92mm
						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	Max. Magnification 3.6X Working Distance 63-92mm
	Sigma 50mm F2.8 EX DG Macro			18211 Compact Port Base	18520 Compact Port Extension 20	18303 Compact Port 15		
	Sigma 70mm F2.8 EX DG Macro			18211 Compact Port Base	18530 Compact Port Extension 30	18302 Compact Port 50		
	Sigma 105mm F2.8 EX DG OS HSM Macro	19553 SC105-F		22130 N120 Extension Ring 30 II	18701 Macro Port 60	18301 Compact Port 30	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
							81202 SMC - 2	Max. Magnification 3.3X Working Distance 31-38mm
						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	Max. Magnification 2.6X Working Distance 50-90mm
							81202 SMC - 2	Max. Magnification 3.3X Working Distance 31-38mm
						83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1	Lens FOV 24° Converted FOV 60°/100°/130°/160°
STANDARD ZOOM APSC	Canon EF-S 18-55mm f/3.5-5.6 IS	19532 C1855IS-Z	18211 Compact Port Base		18303 Compact Port 15			
	Canon EF-S 18-55mm f/3.5-5.6 IS STM	19547 C1855ISSTM-Z	18211 Compact Port Base		18303 Compact Port 15			
				22130 N120 Extension Ring 30 II	85201 N120 WACP - 1			Lens FOV 75-27.5° Converted FOV 130-46°
				21325 N120 to N100 25mm Port Adaptor	85205 N100 WACP - C			Lens FOV 75-27.5° Converted FOV 130-46°
	Canon EF-S 18-135mm f/3.5-5.6 IS	19524 C18135IS-Z		22160 N120 Extension Ring 60 II	18802 8.5" Acrylic Dome Port			
Sigma 17-70mm F2.8-4.5 DC Macro	19533 SC1770-Z		22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port				
Sigma 17-70mm F2.8-4 DC Macro OS HSM	19534 SC1770OS-Z		22140 N120 Extension Ring 40 II	18802 8.5" Acrylic Dome Port				

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 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING/ PORT ADAPTOR	PORT	OPTICAL PERFORMANCE
STANDARD ZOOM APSC	Sigma 18-35mm F1.8 DC HSM   A	19552 SC1835f.18-Z		22180 N120 Extension Ring 80 II	* 85202 N120 WACP-1 for Sigma 18-35mm F1.8	Lens FOV 76.5-44° Converted FOV 132-76°
					18802 8.5" Acrylic Dome Port	
					* 18809 180mm Optical Glass Wide Angle Port	
					18812 230mm Optical Glass Wide Angle Port II	
					22130 + 22135 N120 Extension Ring 30 II + 35 II	85201 N120 WACP - 1
22140 + 21325 N120 Extension Ring 40 II + N120 to N100 25mm Port Adaptor	85205 N100 WACP - C	Lens FOV 76.5-44° Converted FOV 132-76°				
22150 + 22150 N120 Extension Ring 50 II + 50 II	18815 250mm Optical Glass Wide Angle Port II					
STANDARD ZOOM FULL FRAME	Canon EF 24mm f/1.4L II USM			22140 N120 Extension Ring 40 II	18802 8.5" Acrylic Dome Port	
	Canon EF 24-70mm f/2.8L II USM	19543 C2470II-Z		22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port	
	Canon EF 24-70mm f/4L IS USM	19544 C2470f4-Z		22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port	
	Canon EF 24-105mm f/4L IS USM	19545 C24105-Z		22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port	
	Canon EF 24-105mm f/4L IS II USM	19562 C24105II-Z		22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port	
				22190 N120 Extension Ring 90 II	* 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 28mm f/1.8 USM				85201 N120 WACP - 1	Lens FOV 75° Converted FOV 130°
	Canon EF 28mm f/2.8 USM				85201 N120 WACP - 1	Lens FOV 75° Converted FOV 130°
Canon EF 28-70mm f/3.5-4.5 II	19557 C2870f3.5II-Z		22125 N120 Extension Ring 25 II	* 85201 N120 WACP - 1	Lens FOV 72-34° Converted FOV 130-59°	
		21325 N120 to N100 25mm Port Adaptor		85205 N100 WACP - C	Lens FOV 72-34° Converted FOV 130-59°	

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

\* slight vignetting when focus distance from port to subject is less than 10cm at 28mm



## N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
STANDARD ZOOM FULL FRAME	Canon EF 28-70mm f/3.5-4.5 II	19557 + 19566 C2870f3.5II-Z + C2870f3.5II-F		22130 + 22131 N120 Extension Ring 30 II + Focus Knob	85201 N120 WACP - 1			Lens FOV 72-34° Converted FOV 125-59° Zoom Range 30-70mm
	Canon EF 28-80mm f/3.5-5.6 II	19558 C2880f3.5II-Z		22120 N120 Extension Ring 20 II	18705 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 36-30° Converted FOV 135-113° Zoom Range 66-80mm
				22130 N120 Extension Ring 30 II	85201 N120 WACP - 1		Lens FOV 75-30° Converted FOV 130-54°	
				21325 N120 to N100 25mm Port Adaptor	85205 N100 WACP - C		Lens FOV 75-30° Converted FOV 130-54° <i>* slight vignetting when focus distance from port to subject is less than 10cm at 28mm</i>	
Canon EF 28-80mm f/3.5-5.6 V USM	19559 C2880f3.5V-Z		22120 N120 Extension Ring 20 II	18705 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 37.5-30° Converted FOV 138-93° Zoom Range 63-80mm	
			22130 N120 Extension Ring 30 II	85201 N120 WACP - 1		Lens FOV 75-31° Converted FOV 130-54°		
			21325 N120 to N100 25mm Port Adaptor	85205 N100 WACP - C		Lens FOV 75-31° Converted FOV 130-54°		
Canon EF 35mm f/2 IS USM				85201 N120 WACP - 1			Lens FOV 63° Converted FOV 109°	
WIDE ANGLE APSC	Canon EF-S 10-18mm f/4.5-5.6 IS STM	19549 C1018-Z		22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port			Lens FOV 108-75° Converted FOV 128-85°
				22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port			
					18809 180mm Optical Glass Wide Angle Port			
	Canon EF-S 10-22mm f/3.5-4.5 IS STM	19525 C1022-Z		21110 N120 Extension Ring 10	85204 N120 WACP - 2			Lens FOV 108-63° Converted FOV 128-72° <i>* This setup is only compatible with WACP-2 before SN:A526311</i>
				22110 N120 Extension Ring 10 II	85204 N120 WACP - 2			Lens FOV 108-63° Converted FOV 128-72° <i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>
				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			
					18809 180mm Optical Glass Wide Angle Port			
		* 18812 230mm 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 port system based on best optical performance  
\* Secondary setup recommendation based on optical performance



## N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE	
WIDE ANGLE APS-C	Sigma 8-16mm F4.5-5.6 DC HSM	19536 SC816-Z	22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port		
			22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port		
					18812 230mm Optical Glass Wide Angle Port II	
					* 18815 250mm Optical Glass Wide Angle Port II	
	Sigma 10-20mm F4.5-5.6 EX DC HSM	19535 SC1020-Z	22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port		
			22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port		
					18812 230mm Optical Glass Wide Angle Port II	
					* 18815 250mm Optical Glass Wide Angle Port II	
	Tokina AT-X 11-20mm F2.8 PRO DX	19573 CT1120-Z	22120 N120 Extension Ring 20 II	85204 N120 WACP - 2		Lens FOV 104-72° Converted FOV 118-78°
			22160 N120 Extension Ring 60 II	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		
Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	19530 TC1116-Z	21110 N120 Extension Ring 10	85204 N120 WACP - 2		Lens FOV 110-81° Converted FOV 133-92°	
		22110 N120 Extension Ring 10 II	85204 N120 WACP - 2		Lens FOV 110-81° Converted FOV 133-92°	
		22160 N120 Extension Ring 60 II	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		
Tokina AT-X 124 AF PRO DX AF 12-24mm f/4	19531 TC1224-Z	22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port			
		22160 N120 Extension Ring 60 II	18809 180mm Optical Glass Wide Angle Port			

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

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 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE			
WIDE ANGLE APS-C	Tokina AT-X 124 AF PRO DX AF 12-24mm f/4	19531 TC1224-Z	22160 N120 Extension Ring 60 II	18812 230mm Optical Glass Wide Angle Port II				
				* 18815 250mm Optical Glass Wide Angle Port II				
WIDE ANGLE FULL FRAME	Canon EF 11-24mm f/4L USM	19550 C1124-Z	22150 N120 Extension Ring 50 II	* 18815 250mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings I SN:A213191 before 09/2016			
				22170 N120 Extension Ring 70 II		18812 230mm Optical Glass Wide Angle Port II	* This setup is not compatible with Extension Rings I SN:A201966 before 09/2016	
				22170 + 22171 N120 Extension Ring 70 II + Focus Knob		18812 230mm Optical Glass Wide Angle Port II		
	Canon EF 16-35mm f/2.8 II USM	19527 C1635II-Z	22130 N120 Extension Ring 30 II	* 85204 N120 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°			
				22170 N120 Extension Ring 70 II		18802 8.5" Acrylic Dome Port		
				22180 N120 Extension Ring 80 II		18809 180mm Optical Glass Wide Angle Port		
						18812 230mm Optical Glass Wide Angle Port II		
				19527 + 19542 C1635II-Z + C1635II-F		22130 + 22131 N120 Extension Ring 30 II + Focus Knob	* 85204 N120 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°
							22170 + 22171 N120 Extension Ring 70 II + Focus Knob	
	Canon EF 16-35mm f/2.8 III USM	19554 C1635III-Z	22150 N120 Extension Ring 50 II	* 85204 N120 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°			
				22170 N120 Extension Ring 70 II		85201 N120 WACP - 1	On APS-C Sensor Lens FOV 80-43° Converted FOV 138-74°	
						22180 N120 Extension Ring 80 II	18809 180mm Optical Glass Wide Angle Port	On Full Frame Sensor Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
19554 + 19555 C1635III-Z + C1635III-F				22150 + 22151 N120 Extension Ring 50 II + Focus Knob			* 85204 N120 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°
						22170 + 22171 + 22120 N120 Extension Ring 70 II + Focus knob + 20 II	* 18812 230mm 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 port system based on best optical performance  
\* Secondary setup recommendation based on optical performance



## N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
WIDE ANGLE FULL FRAME	Canon EF 16-35mm f/4 IS USM	19548 C1635f4-Z	22130 N120 Extension Ring 30 II	* 85204 N120 WACP - 2	Lens FOV 108-63° Converted FOV 128-72°
			22160 N120 Extension Ring 60 II	85201 N120 WACP - 1 <span style="float: right;">On APS-C Sensor</span>	Lens FOV 80-43° Converted FOV 138-74°
			22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port 18809 180mm Optical Glass Wide Angle Port	
		22180 N120 Extension Ring 80 II	* 18812 230mm Optical Glass Wide Angle Port II 18815 250mm Optical Glass Wide Angle Port II		
		19548 + 19560 C1635f4-Z + C1635f4-F	22170 + 22171 N120 Extension Ring 70 II + Focus Knob	18812 230mm Optical Glass Wide Angle Port II	
		19548 + 19572 C1635f4-Z + WC1635f4-F	22135 + 22151 N120 Extension Ring 35 II + Focus Knob	85204 N120 WACP - 2	Lens FOV 108-63° Converted FOV 128-72°
	Canon EF 17-40mm f/4L USM	19528 C1740-Z	22140 N120 Extension Ring 40 II	85201 N120 WACP - 1 <span style="float: right;">On APS-C Sensor</span>	Lens FOV 77-37° Converted FOV 133-74°
			22150 N120 Extension Ring 50 II	18802 8.5" Acrylic Dome Port	Lens FOV 75-57.5° Converted FOV 130-100°
			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 II * 18815 250mm Optical Glass Wide Angle Port II	
			22150 N120 Extension Ring 50 II	18815 250mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings I SN:A213191 before 09/2016</i>
			22160 N120 Extension Ring 60 II	* 18812 230mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings I SN:A143566 before 09/2016</i>
Sigma 12-24mm F4 DG HSM   Art	19556 SC1224A-Z	22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings I SN:A201966 before 09/2016</i>	
		22160 N120 Extension Ring 60 II	18809 180mm Optical Glass Wide Angle Port	<i>* This setup is not compatible with Extension Rings I SN:A143566 before 09/2016</i>	
Sigma 14mm F1.8 DG HSM   Art	19563 SC14A-F	22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings I SN:A201966 before 09/2016</i>	
		22160 N120 Extension Ring 60 II	18809 180mm Optical Glass Wide Angle Port	<i>* This setup is not compatible with Extension Rings I SN:A143566 before 09/2016</i>	
Sigma 14-24mm F2.8 DG HSM   Art	19564 SC1424A-Z	22160 N120 Extension Ring 60 II	18809 180mm Optical Glass Wide Angle Port	<i>* This setup is not compatible with Extension Rings I SN:A143566 before 09/2016</i>	
		22170 N120 Extension Ring 70 II	18802 8.5" Acrylic Dome Port * 18812 230mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings I SN:A201966 before 09/2016</i>	

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





## N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT	
<b>WIDE ANGLE FULL FRAME</b>	<b>Sigma 14-24mm F2.8 DG HSM   Art</b>	<b>19564</b> SC1424A-Z	<b>22170</b> N120 Extension Ring 70 II	<b>18815</b> 250mm Optical Glass Wide Angle Port II	
	<b>Sigma 20mm F1.4 DG HSM   A</b>		<b>22160</b> N120 Extension Ring 60 II	<b>18809</b> 180mm Optical Glass Wide Angle Port	
			<b>22170</b> N120 Extension Ring 70 II	<b>18802</b> 8.5" Acrylic Dome Port	
				<b>* 18812</b> 230mm Optical Glass Wide Angle Port II	
				<b>18815</b> 250mm Optical Glass Wide Angle Port II	
	<b>ZEISS Distagon T* 15mm f/2.8 ZM</b>	<b>16319</b> ZC15-F	<b>22155</b> N120 Extension Ring 55 II	<b>18812</b> 230mm Optical Glass Wide Angle Port II	<i>* This setup is not compatible with Extension Rings I SN:A055053 before 09/2016</i>
	<b>ZEISS Milvus 18mm f/2.8 ZE</b>	<b>16329</b> ZMC-F	<b>22155</b> N120 Extension Ring 55 II	<b>18809</b> 180mm Optical Glass Wide Angle Port	
				<b>* 18812</b> 230mm Optical Glass Wide Angle Port II	
	<b>ZEISS Milvus 21mm f/2.8 ZE</b>	<b>16329</b> ZMC-F	<b>22150</b> N120 Extension Ring 50 II	<b>18809</b> 180mm Optical Glass Wide Angle Port	
				<b>* 18812</b> 230mm Optical Glass Wide Angle Port II	
<b>FISHEYE APS-C</b>	<b>Sigma 10mm F2.8 EX DC HSM Fisheye</b>			<b>18802</b> 8.5" Acrylic Dome Port	
	<b>Tokina AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5</b>	<b>19529</b> TC1017-Z		<b>18804</b> 4.33" Acrylic Dome Port for Tokina 10-17mm	
			<b>21110</b> N120 Extension Ring 10	<b>* 18810</b> 140mm Optical Glass Fisheye Port <i>* This setup is only compatible with 18810 before SN:A490446</i>	
			<b>22110</b> N120 Extension Ring 10 II	<b>* 18810</b> 140mm Optical Glass Fisheye Port <i>This setup is only compatible with 18810 SN:A490446 onwards</i>	
			<b>22120</b> N120 Extension Ring 20 II	<b>18802</b> 8.5" Acrylic Dome Port	
				<b>18812</b> 230mm Optical Glass Wide Angle Port II	
	<b>Tokina AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5 with Kenko TELEPLUS HD pro 1.4x DGX Teleconverter for Canon EF</b>	<b>19629</b> TC1017-Z + 1.4X	<b>22120</b> N120 Extension Ring 20 II	<b>18804</b> 4.33" Acrylic Dome Port for Tokina 10-17mm	
			<b>22130</b> N120 Extension Ring 30 II	<b>* 18810</b> 140mm Optical Glass Fisheye Port	
			<b>22140</b> N120 Extension Ring 40 II	<b>18802</b> 8.5" Acrylic Dome Port	
				<b>18812</b> 230mm 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 port system based on best optical performance*  
*\* Secondary setup recommendation based on optical performance*



## N120 PORT SYSTEM FOR CANON EF-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	EXTENSION RING	PORT
FISHEYE FULL FRAME	Canon EF 8-15mm f/4L Fisheye USM	<b>19537</b> C815-Z  <b>19537 + 19541</b> C815-Z + C815-F	<b>22130</b> N120 Extension Ring 30 II  <b>22130 + 22131</b> N120 Extension Ring 30 II + Focus Knob	<b>18802</b> 8.5" Acrylic Dome Port  * <b>18811</b> 140mm Optical Glass Fisheye Port with Removable Shade  <b>18812</b> 230mm Optical Glass Wide Angle Port II
	Canon EF 8-15mm f/4L Fisheye USM with Kenko 1.4x Teleplus Pro 300 DGX	<b>19538</b> C815-Z + 1.4X	<b>22150</b> N120 Extension Ring 50 II	<b>18802</b> 8.5" Acrylic Dome Port  * <b>18811</b> 140mm Optical Glass Fisheye Port with Removable Shade  <b>18812</b> 230mm Optical Glass Wide Angle Port II
	Canon EF 15mm f/2.8 Fisheye			<b>18802</b> 8.5" Acrylic Dome Port  <b>18810</b> 140mm Optical Glass Fisheye Port  <b>18812</b> 230mm Optical Glass Wide Angle Port II
	Sigma 15mm F2.8 EX DG Diagonal Fisheye	<b>19546</b> SC15-F		<b>18802</b> 8.5" Acrylic Dome Port  * <b>18810</b> 140mm Optical Glass Fisheye Port  <b>18812</b> 230mm Optical Glass Wide Angle Port II



## N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO FOUR THIRDS	Olympus M.Zuiko Digital ED 30mm f3.5 Macro				<b>36135</b> N85 Macro Port 45	<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1	Lens FOV 39° Converted FOV 150°
	Olympus M.Zuiko Digital ED 60mm f2.8 Macro	<b>36149</b> O60-F			<b>36163</b> N85 Macro Port 65	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Max. Magnification 2.0X Working Distance 22-70mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1	Max. Magnification 2.0X Working Distance 22-70mm
						<b>83250</b> M67 to Bayonet Mount Converter II	<b>87301</b> EMWL Set #1	Lens FOV 20° Converted FOV 60°/100°/130°/160°
				<b>36620</b> N85 Extension Ring 20	<b>36135</b> N85 Macro Port 45	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Max. Magnification 2.0X Working Distance 22-70mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1	Max. Magnification 2.0X Working Distance 22-70mm
						<b>83250</b> M67 to Bayonet Mount Converter II	<b>87301</b> EMWL Set #1	Lens FOV 20° Converted FOV 60°/100°/130°/160°
						SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81302</b> CMC - 2	Max. Magnification 1.7X Working Distance 33-122mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81302</b> CMC - 2	Max. Magnification 1.7X Working Distance 33-122mm
						<b>83250</b> M67 to Bayonet Mount Converter II	<b>87301</b> EMWL Set #1	Lens FOV 20° Converted FOV 60°/100°/130°/160°
	Panasonic Lumix G Macro 30mm f/2.8 Asph. Mega O.I.S.				<b>36135</b> N85 Macro Port 45	<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1	Lens FOV 39° Converted FOV 150°
	Panasonic LEICA DG MACRO-ELMARIT 45mm F2.8 ASPH. MEGA O.I.S.	<b>36145</b> P45-F			<b>36135</b> N85 Macro Port 45	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Max. Magnification 1.6X Working Distance 17-73mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1	Max. Magnification 1.6X Working Distance 17-73mm
						<b>83250</b> M67 to Bayonet Mount Converter II	<b>87303</b> EMWL Set #3	Lens FOV 20° Converted FOV 60°/100°/130°/160°
	Laowa 24mm f/14 2X Macro Probe <i>* with Metabones T Speed Booster Ultra 0.71X Adapter on NA-GH5 housing</i>	<b>19155</b> N120 DSLR Gear Set	<b>36064</b> N85 to N120 34.7mm Port Adaptor	<b>22170 + 22171</b> N120 Extension Ring 70 II + Focus Knob	<b>16336</b> N120 Port Adaptor for Laowa 24mm f/14 2X Macro Probe			

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
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



## N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
TELEPHOTO MACRO FOUR THIRDS	OM System M.Zuiko Digital ED 90mm f/3.5 Macro IS PRO	36072 O90-F <i>* Focus Knob is included in packaging</i>			36169 N85 Macro Port 120 with Focus Limit Switch Selector <i>* optical performance at Normal Macro mode</i>	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Max. Magnification 1.1X Working Distance 103mm-∞	
							<b>81302</b> CMC - 2	Max. Magnification 2.2X Working Distance 24-70mm	
							<b>81201</b> SMC - 1	Max. Magnification 1.9X Working Distance 37-123mm	
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1	Max. Magnification 1.8X Working Distance 35-99mm	
							<b>81302</b> CMC - 2	Max. Magnification 2.2X Working Distance 24-70mm	
							<b>81201</b> SMC - 1	Max. Magnification 1.9X Working Distance 37-123mm	
							<b>81201</b> SMC - 1	Max. Magnification 1.8X Working Distance 35-99mm	
	OM System M.Zuiko Digital ED 90mm f/3.5 Macro IS PRO	36072 O90-F <i>* Focus Knob is included in packaging</i>				36169 N85 Macro Port 120 with Focus Limit Switch Selector <i>* optical performance at S-Macro mode</i>	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Max. Magnification 2.2X Working Distance 73-500mm
								<b>81302</b> CMC - 2	Max. Magnification 3.5X Working Distance 15-55mm
								<b>81201</b> SMC - 1	Max. Magnification 2.9X Working Distance 25-87mm
							SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1	Max. Magnification 2.9X Working Distance 16-73mm
								<b>81302</b> CMC - 2	Max. Magnification 2.9X Working Distance 16-73mm
								<b>81201</b> SMC - 1	Max. Magnification 3.5X Working Distance 15-55mm
								<b>81302</b> CMC - 2	Max. Magnification 2.9X Working Distance 25-87mm
								<b>81201</b> SMC - 1	Max. Magnification 2.9X Working Distance 16-73mm
	OM System M.Zuiko Digital ED 90mm f/3.5 Macro IS PRO with M.Zuiko Digital MC-20 2.0x Teleconverter	36072 O90-F <i>* Focus Knob is included in packaging</i>			36626 N85 Extension Ring 26	36169 N85 Macro Port 120 with Focus Limit Switch Selector <i>* optical performance at Normal Macro mode</i>			Max. Magnification 2.2X Working Distance 103mm-∞
OM System M.Zuiko Digital ED 90mm f/3.5 Macro IS PRO with M.Zuiko Digital MC-20 2.0x Teleconverter	36072 O90-F <i>* Focus Knob is included in packaging</i>			36626 N85 Extension Ring 26	36169 N85 Macro Port 120 with Focus Limit Switch Selector <i>* optical performance at S-Macro mode</i>			Max. Magnification 4.3X Working Distance 73-500mm	
OM System M.Zuiko Digital ED 90mm f/3.5 Macro IS PRO with M.Zuiko Digital MC-14 1.4x Teleconverter				36617 N85 Extension Ring 17	36169 N85 Macro Port 120 with Focus Limit Switch Selector <i>* optical performance at Normal Macro mode</i> <i>* manual focus is not supported</i>			Max. Magnification 1.5X Working Distance 103mm-∞	
OM System M.Zuiko Digital ED 90mm f/3.5 Macro IS PRO with M.Zuiko Digital MC-14 1.4x Teleconverter				36617 N85 Extension Ring 17	36169 N85 Macro Port 120 with Focus Limit Switch Selector <i>* optical performance at S-Macro mode</i> <i>* manual focus is not supported</i>			Max. Magnification 2.9X Working Distance 73-500mm	

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.

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



## N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE			
STANDARD ZOOM FOUR THIRDS	Olympus M.ZUIKO DIGITAL ED 12-40mm f/2.8 PRO	36045 O1240-Z	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	22120 N120 Extension Ring 20 II	36129 N85 7" Acrylic Dome Port	* 85201 N120 WACP - 1	Lens FOV	75-45°	
							Converted FOV	130-68°	
		Zoom Range	14-26mm						
		36045 + 36065 O1240-Z + O1240-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>	36129 N85 7" Acrylic Dome Port	* 18809 180mm Optical Glass Wide Angle Port	85201 N120 WACP - 1	Lens FOV	75-38°	
							Converted FOV	130-57°	
		Zoom Range	14-32mm						
	Olympus M.ZUIKO DIGITAL ED 12-45mm f/4 PRO	36069 O1245-Z	36620 + 36620 N85 Extension Ring 20 + N85 Extension Ring 20	36129 N85 7" Acrylic Dome Port	36139 N85 Macro Port 35	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Max. Magnification	0.7X
							Working Distance	24-74mm	
							81302 CMC - 2	Max. Magnification	0.5X
							Working Distance	39-130mm	
		36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>	* 18809 180mm Optical Glass Wide Angle Port	SMC/CMC Option 2 - Bayonet Mount 83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Max. Magnification	0.7X		
					Working Distance	24-74mm			
81302 CMC - 2	Max. Magnification	0.5X							
Working Distance	39-130mm								
36064 N85 to N120 34.7mm Port Adaptor	85201 N120 WACP - 1 <i>* this setup is not compatible with NA-EM1X</i>	Lens FOV	75-45°						
				Converted FOV	130-58°				
Zoom Range	14-29mm								
36069 + 36070 O1240-Z + O1240-F	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	18809 180mm Optical Glass Wide Angle Port	36137 N85 4" Acrylic Wide Angle Port	25105 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81301 CMC - 1	Max. Magnification	0.8X		
					Working Distance	40-70mm			
Olympus M.Zuiko Digital ED 12-50mm f/3.5-6.3 EZ	36147 O1250-Z <i>* 36059 O1250-Z for NA-GH5 &amp; NA-EM1X</i>	36161 N85 Macro Port with M77 Thread	83251 M77 to Bayonet Mount Converter II	86201 MWL - 1	Lens FOV	39-34°			
					Converted FOV	150-71°			
	Zoom Range	30-50mm							
	83203 WWL-C	Lens FOV	72-24°						
		Converted FOV	110-37°						
	Zoom Range	14-50mm							
83251 + 83214 M77 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Max. Magnification	0.8X						
	Working Distance	14-61mm							
81302 CMC - 2	Max. Magnification	0.7X							
Working Distance	24-95mm								

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
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



## N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
STANDARD ZOOM FOUR THIRDS	Olympus M.Zuiko Digital 14-42mm f/3.5-5.6 II R	36143 01442-Z			36137 N85 4" Acrylic Wide Angle Port	25105 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81301 CMC - 1	Max. Magnification 0.8X Working Distance 41-76mm
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 63-130mm
							81301 CMC - 1	Max. Magnification 0.8X Working Distance 41-76mm
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 63-130mm
							81301 CMC - 1	Max. Magnification 0.8X Working Distance 41-76mm
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 63-130mm
	Olympus M.Zuiko Digital 14-42mm f/3.5-5.6 EZ	36047 01442EZ-Z			36165 N85 Power Zoom Macro Port 29	83250 M67 to Bayonet Mount Converter II	1 83201 WWL - 1	Lens FOV 75-29° Converted FOV 130-50°
							83202 WWL - 1B	Lens FOV 75-29° Converted FOV 130-50°
							81301 CMC - 1	Max. Magnification 0.8X Working Distance 41-76mm
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 63-130mm
							81301 CMC - 1	Max. Magnification 0.8X Working Distance 41-76mm
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 63-130mm
Panasonic LUMIX G VARIO 12-32mm F3.5-5.6 ASPH. ASPH. MEGA O.I.S.	36046 P1232-Z		36620 N85 Extension Ring 20	36131 N85 3.5" Acrylic Wide Angle Port	36165 N85 Power Zoom Macro Port 29	83250 M67 to Bayonet Mount Converter II	1 83201 WWL - 1	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 13-32mm
							83202 WWL - 1B	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 13-32mm
							83203 WWL-C	Lens FOV 84-37° Converted FOV 130-57°
							81301 CMC - 1	Max. Magnification 0.8X Working Distance 41-76mm
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 63-130mm
							81301 CMC - 1	Max. Magnification 0.8X Working Distance 41-76mm

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
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





## N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
STANDARD ZOOM FOUR THIRDS	Panasonic LUMIX G X Vario 12-35mm F2.8 I/ II ASPH. POWER O.I.S.	36148 P1235-Z	36064 N85 to N120 34.7mm Port Adaptor		36133 N85 6" Acrylic Wide Angle Port			Lens FOV 75-52° Converted FOV 130-90° Zoom Range 14-22mm	
					* 85201 N120 WACP - 1 <i>* this setup is not compatible with NA-EM1X</i>				
		36148 + 36042 P1235-Z + P1235-F	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	22120 N120 Extension Ring 20 II	36164 N85 6" Acrylic Wide Angle Port with Focus Knob			Lens FOV 75-40° Converted FOV 130-69° Zoom Range 14-30mm	
					85201 N120 WACP - 1				
	Panasonic LEICA DG VARIO-ELMARIT 12-60mm F2.8-4.0 ASPH. POWER O.I.S.	36058 PL1260-Z	36058 + 36068 PL1260-Z + PL1260-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>		36129 N85 7" Acrylic Dome Port			
						* 18809 180mm Optical Glass Wide Angle Port			
	Panasonic LUMIX G 14mm / F2.5 ASPH					36131 N85 3.5" Acrylic Wide Angle Port			
						36151 N85 Pancake Port			
	Panasonic LUMIX G Vario 14-42mm F3.5-5.6 ASPH. MEGA O.I.S.	36141 P1442-Z				36137 N85 4" Acrylic Wide Angle Port	25105 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81301 CMC - 1	Max. Magnification 0.7X Working Distance 50-70mm
						36121 N85 Flat Port 72	25104 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81302 CMC - 2	Max. Magnification 0.6X Working Distance 80-120mm
Panasonic LUMIX G Vario 14-42mm F3.5-5.6 II ASPH. MEGA O.I.S.	36057 P1442II-Z				36139 N85 Flat Port 35	SMC/CMC Option 1 - M67 Thread 81228 M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Max. Magnification 0.7X Working Distance 49-72mm	
						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 77-122mm	
						83250 M67 to Bayonet Mount Converter II	1 83201 WWL - 1	Lens FOV 75-29° Converted FOV 130-50°	
							83202 WWL - 1B	Lens FOV 75-29° Converted FOV 130-50°	

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
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



## N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
STANDARD ZOOM FOUR THIRDS	Panasonic LUMIX G Vario PZ 14-42mm F3.5-5.6 ASPH. POWER O.I.S.	36146 P1442X-PZ <i>* 36061 P1442X-PZ for NA-GH5</i>			36165 N85 Power Zoom Macro Port 29	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Max. Magnification 0.7X Working Distance 49-72mm	
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 77-122mm	
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Max. Magnification 0.7X Working Distance 50-70mm	
		81302 CMC - 2	Max. Magnification 0.6X Working Distance 80-120mm						
	Panasonic LUMIX G Vario 14-45mm F3.5-5.6 ASPH. MEGA O.I.S.	36053 P1445-Z				36137 N85 4" Acrylic Wide Angle Port	25105 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81301 CMC - 1	Max. Magnification 0.8X Working Distance 40-75mm
							36121 N85 Flat Port 72	25104 + 81222 M67 Flip Diopter Holder + M67 Adaptor Ring	81301 CMC - 1
WIDE ANGLE FOUR THIRDS	Olympus M.ZUIKO DIGITAL ED 7-14mm f/2.8 PRO	36054 + 36055 0714-Z + 0714-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>		18809 180mm Optical Glass Wide Angle Port <i>* slight vignetting at 7mm when shooting RAW on GH5S</i>				
	Olympus M.ZUIKO DIGITAL ED 8-25mm f4 PRO	36071 0825-Z	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>	22140 N120 Extension Ring 40 II	18809 180mm Optical Glass Wide Angle Port				
				22120 N120 Extension Ring 20 II	* 85201 N120 WACP - 1		Lens FOV 75-47° Converted FOV 130-81° Zoom Range 14-25mm		
	Olympus M.ZUIKO DIGITAL ED 9-18mm f/4-5.6	36143 0918-Z	36064 N85 to N120 34.7mm Port Adaptor	22160 N120 Extension Ring 60 II	18809 180mm Optical Glass Wide Angle Port				
				22140 N120 Extension Ring 40 II	* 85201 N120 WACP - 1 <i>* this setup is not compatible with NA-EM1X</i>		Lens FOV 75-47° Converted FOV 130-81° Zoom Range 14-25mm		
			36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	22120 N120 Extension Ring 20 II	* 18809 180mm Optical Glass Wide Angle Port				
		36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>			36137 N85 4" Acrylic Wide Angle Port				

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
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





## N85 MICRO FOUR THIRDS SYSTEM FOR MICRO FOUR THIRD CAMERA SYSTEMS

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT				
WIDE ANGLE FOUR THIRDS	Olympus M.ZUIKO DIGITAL ED 12mm f/2.0			36620 N85 Extension Ring 20	36132 N85 4.33" Acrylic Fisheye Dome Port <i>* this setup is not compatible with NA-EM1X</i>				
					* 36048 N85 140mm Optical Glass Fisheye Port				
					36131 N85 3.5" Acrylic Wide Angle Port				
		36168 N85 Pancake Port 24	83250 M67 to Bayonet Mount Converter II	83203 WWL-C	Lens FOV Converted FOV	84° 130°			
WIDE ANGLE FOUR THIRDS	Panasonic LUMIX G Vario 7-14mm F4.0 ASPH.	36044 P714-Z			36133 N85 6" Acrylic Wide Angle Port				
		36044 + 36043 P714-Z + P714-F	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>		36164 N85 6" Acrylic Wide Angle Port with Focus Knob				
					* 18809 180mm Optical Glass Wide Angle Port <i>* slight vignetting at 7mm when shooting RAW on GH5S</i>				
	Panasonic LEICA DG VARIO-ELMARIT 8-18mm F2.8-4.0 ASPH.	36062 PL818-Z			36129 N85 7" Acrylic Dome Port				
		36062 + 36063 PL818-Z + PL818-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>	22120 N120 Extension Ring 20 II	* 18809 180mm Optical Glass Wide Angle Port				
FISHEYE FOUR THIRDS	Olympus M.Zuiko Digital ED 8mm f/1.8 Fisheye PRO	36056 O8-F		36617 N85 Extension Ring 17	* 36048 N85 140mm Optical Glass Fisheye Port				
				36620 N85 Extension Ring 20	36132 N85 4.33" Acrylic Fisheye Dome Port				
	Panasonic LUMIX G FISHEYE 8mm F3.5	36041 P8-F			* 36048 N85 140mm Optical Glass Fisheye Port				
					36131 N85 3.5" Acrylic Wide Angle Port <i>* this setup is not compatible with NA-EM1X</i>				
					36132 N85 4.33" Acrylic Fisheye Dome Port				
	Panasonic LUMIX G Vario PZ 14-42mm F3.5-5.6 ASPH. MEGA O.I.S. with Panasonic LUMIX G Vario DMW-GFC1 for G Series	36146 P1442X-PZ <i>* 36061 P1442X-PZ for NA-GH5</i>		36630 N85 Extension Ring 30	36132 N85 4.33" Acrylic Fisheye Dome Port				
CANON EF-MOUNT	Canon EF-mount Lenses with Metabones T Speed Booster Ultra 0.71X Adapter		36064 N85 to N120 34.7mm Port Adaptor		N120 Canon EF-Mount Port System <i>* this setup is not compatible with NA-EM1X</i>				

1. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.

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



## N100 PORT SYSTEM FOR Canon RF-S CAMERA SYSTEM ( RF-S & EF-Mount Format Lens )

	CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
STANDARD ZOOM APSC	Canon RF-S 18-45mm f4.5-6.3 IS STM	19596 CR1845-Z			37181 N100 Flat Port 50	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Max. Magnification 0.8X Working Distance 44-81mm
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 68-140mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Max. Magnification 0.8X Working Distance 44-81mm
							81302 CMC - 2	Max. Magnification 0.6X Working Distance 68-140mm
						<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	83201 WWL - 1	Lens FOV 75-35° Converted FOV 130-60° Zoom Range 18-45mm
							83202 WWL - 1B	Lens FOV 75-35° Converted FOV 130-60° Zoom Range 18-45mm
							83203 * WWL - C	Lens FOV 75-35° Converted FOV 116-52° Zoom Range 18-45mm
							86201 MWL - 1	Lens FOV 40-35° Converted FOV 150-130° Zoom Range 38-45mm
				37402 N100 Extension Ring 40				
					85203 N100 WACP-1			Lens FOV 75-35° Converted FOV 130-60°
					85205 N100 WACP - C			Lens FOV 75-35° Converted FOV 130-60°
			37305 N100 to N120 35.5mm Port Adaptor II		85201 N120 WACP - 1			Lens FOV 75-35° Converted FOV 130-60°
CANON EF-MOUNT	Canon EF-mount Lenses with Canon Mount Adaptor EF-EOS R <i>* Canon control ring and Drop-in filter mount adaptors are not supported by these setups</i>		37305 N100 to N120 35.5mm Port Adaptor II					
	Canon RF mount Fullframe Lenses		37305 N100 to N120 35.5mm Port Adaptor II					

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.  
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



## N100 PORT SYSTEM FOR FUJIFILM X-MOUNT CAMERA SYSTEM ( APS-C Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO APSC	Fujifilm XF 60mm f/2.4 R Macro			<b>37401</b> N100 Extension Ring 30	<b>37127</b> N100 Flat Port 32			
			<b>36471</b> N100 to N85 Port Adaptor		<b>36135</b> N85 Flat Port 45			
	Fujifilm XF 80mm f/2.8 R LM OIS WR Macro	<b>36473</b> X80-F			<b>37125</b> N100 Macro Port 110	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81201</b> SMC - 1	Max. Magnification 1.7X Working Distance 34-93mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81201</b> SMC - 1	Max. Magnification 1.7X Working Distance 34-93mm
							<b>81202</b> SMC - 2	Max. Magnification 2.5X Working Distance 17-36mm
							<b>81202</b> SMC - 2	Max. Magnification 2.5X Working Distance 17-36mm
							<b>81301</b> CMC - 1	Max. Magnification 1.3X Working Distance 17-75mm
							<b>81302</b> CMC - 2	Max. Magnification 1.0X Working Distance 30-130mm
						<b>81301</b> CMC - 1	Max. Magnification 1.3X Working Distance 17-75mm	
						<b>81302</b> CMC - 2	Max. Magnification 1.0X Working Distance 30-130mm	
						<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1	Lens FOV 31° Converted FOV 100°
			<b>36471</b> N100 to N85 Port Adaptor		<b>36135</b> N85 Flat Port 45	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Max. Magnification 1.3X Working Distance 17-75mm
							<b>81302</b> CMC - 2	Magnification Ratio 1.0X Max. Magnification 30-130mm
							<b>81301</b> CMC - 1	Max. Magnification 1.3X Working Distance 17-75mm
							<b>81302</b> CMC - 2	Max. Magnification 1.0X Working Distance 30-130mm
						<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1	Lens FOV 31° Converted FOV 100°
STANDARD ZOOM APSC	Fujifilm XC 15-45mm f/3.5-5.6 OIS PZ	<b>36476</b> X1545PZ-Z			<b>36478</b> N100 Flat Port 40	<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 75-35° Converted FOV 130-60° Zoom Range 18-45mm
							<b>83202</b> WWL - 1B	Lens FOV 75-35° Converted FOV 130-60° Zoom Range 18-45mm
							<b>83203</b> WWL - C	Lens FOV 84-35° Converted FOV 130-54° Zoom Range 16-45mm
							<b>86201</b> MWL - 1	Lens FOV 39-35° Converted FOV 150-114° Zoom Range 40-45mm

Max. Magnification is the maximum ratio that a subject can be reproduced on a camera's image sensor (APSC - 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



## N100 PORT SYSTEM FOR FUJIFILM X-MOUNT CAMERA SYSTEM ( APS-C Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
STANDARD ZOOM APSC	Fujifilm XF 18-55mm f/2.8-4 R LM OIS	36474 X1855-Z3	37401 N100 Extension Ring 30	37403 N100 Extension Ring 50	85203 N100 WACP-1			Lens FOV 75-52° Converted FOV 130-90° Zoom Range 18-30mm
					85205 N100 WACP - C			Lens FOV 75-52° Converted FOV 130-90° Zoom Range 18-30mm
WIDE ANGLE APSC	Fujifilm XF 8-16mm f/2.8 R LM WR	36477 X816-Z	37304 N100 to N120 55mm Port Adaptor	22130 N120 Extension Ring 30 II	18809 180mm Optical Glass Wide Angle Port  * 18812 230mm Optical Glass Wide Angle Port II			
	Fujifilm XF 10-24mm f/4 R OIS	36475 X1024-Z	37304 N100 to N120 55mm Port Adaptor	37403 N100 Extension Ring 50	* 37129 N100 180mm Optical Glass Wide Angle Port  18809 180mm Optical Glass Wide Angle Port			
	Fujifilm XF 10-24mm f/4 R OIS WR	36479 X1024WR-Z	37304 N100 to N120 55mm Port Adaptor	37403 N100 Extension Ring 50	* 37129 N100 180mm Optical Glass Wide Angle Port  18809 180mm Optical Glass Wide Angle Port			
	Fujifilm XF 18mm f/2 R				36472 N100 Flat Port 13	83250 M67 to Bayonet Mount Converter II	1 83201 WWL - 1	Lens FOV 76.5° Converted FOV 132°
	Fujifilm XF 23mm f/2 R				37127 N100 Flat Port 32	83250 M67 to Bayonet Mount Converter II	1 83201 WWL - 1  83202 WWL - 1B	Lens FOV 63.4° Converted FOV 110°  Lens FOV 76.5° Converted FOV 132°

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



































## N100 PORT SYSTEM FOR NIKON Z-MOUNT CAMERA SYSTEM ( DX & F-Mount Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
MACRO DX	NIKKOR Z MC 50mm f/2.8 Macro			37401 N100 Extension Ring 30	37601 N100 Flat Port 29	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Max. Magnification 1.3X Working Distance 8-66mm
							81302 CMC - 2	Max. Magnification 1.2X Working Distance 4-120mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Max. Magnification 1.3X Working Distance 8-66mm
							81302 CMC - 2	Max. Magnification 1.2X Working Distance 4-120mm
					37124 Flat port 66 with M77 Thread	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 31.5° Converted FOV 119°
						SMC/CMC Option 1 - Bayonet Mount <b>83251 + 83214</b> M77 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Max. Magnification 1.3X Working Distance 8-66mm
							81302 CMC - 2	Max. Magnification 1.2X Working Distance 4-120mm
						83251 M77 to Bayonet Mount Converter II	86201 MWL - 1	Lens FOV 31.5° Converted FOV 119°
STANDARD ZOOM DX	NIKKOR Z DX 16-50mm f/3.5-6.3 VR	37602 Z1650PZ-Z			37601 N100 Flat Port 29	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Max. Magnification 0.9X Working Distance 45.5-75mm
							81302 CMC - 2	Max. Magnification 0.67X Working Distance 70-130mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Max. Magnification 0.9X Working Distance 45.5-75mm
							81302 CMC - 2	Max. Magnification 0.67X Working Distance 70-130mm
						83250 M67 to Bayonet Mount Converter II	83203 WWL-C	Lens FOV 84-31.5° Converted FOV 130-49°
							<sup>1</sup> 83201 WWL-1	Lens FOV 72-31.5° Converted FOV 125-55° Zoom Range 20-50mm
							83202 WWL-1B	Lens FOV 72-31.5° Converted FOV 125-55° Zoom Range 20-50mm
NIKON F-MOUNT	Nikon F-mount Lenses with Nikon Adaptor FTZ  <i>* It is required to replace tripod socket cover of Nikon adaptor FTZ by #25220 Tripod socket replacement</i>		37305 N100 to N120 35.5mm Port Adaptor II		N120 Nikon F-Mount Port System			



































<sup>1</sup>. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
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

## N100 Port System for Sony A7/A7R/A7S System

	LENS	GEAR	PORT BASE	EXTENSIONS	LENS PORT	OPTIONAL ACCESSORIES
MACRO	Sony SEL50M28 FE 50mm F2.8 Macro			 <b>37402</b> N100 Extension ring 40	 <b>37128</b> N100 Flat Port 37	*Wet Diopters are not compatible with this lens **slightly vignette at infinity
	Sony SEL90M28G FE 90mm F2.8 Macro G OSS	 <b>37147</b> SE90-F			 <b>37125</b> N100 Macro port 110	 <b>25101</b> M67 Flip diopter holder for M67 macro ports
	Metabones EF Lens to NEX Smart Adapter III with Canon EF 100mm f/2.8L Macro IS USM	 <b>19523</b> C100IS-F	 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob		 <b>18703</b> Macro port 94	 <b>25101</b> M67 Flip diopter holder for M67 macro ports
STANDARD/ZOOM	Sony SEL2470GM FE 24-70mm F2.8 GM	 <b>37151</b> SFE2470GM-Z	 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	 <b>21160</b> Extension ring 60 with lock	 <b>18809</b> 180mm optical glass wide angle port	
		 <b>37152</b> SFE2470GM-F				
	Sony SEL2470Z Vario-Tessar T* FE 24-70mm F4 ZA OSS	 <b>37149</b> SE2470-Z		 <b>37402+37401</b> N100 Extension ring 40+30	 <b>37129</b> N100 180mm optical glass wide angle port	
			 <b>37302</b> N100 to N120 port adaptor with lock for SEL2470Z		 <b>18809</b> 180mm optical glass wide angle port	
		 <b>37148</b> SE2470-F	 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	 <b>21130</b> Extension ring 30 with lock	 <b>18809</b> 180mm optical glass wide angle port	
	Sony SEL28F20 FE 28mm F2	 <b>37150</b> SE28-F			 <b>37128</b> N100 Flat Port 37	 <b>83201</b> Wet Wide Lens 1 (WWL-1)
	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS	 <b>37141</b> SE2870-Z			 <b>37121</b> Flat Port 74 with M77 thread	 <b>25103</b> M67 flip diopter holder for M77 macro ports
	Sony SEL35F28Z Sonnar T* FE 35mm F2.8 ZA				 <b>37122</b> 4" wide angle port	
	Sony SEL55F18Z Sonnar T* FE 55mm F1.8 ZA				 <b>37123</b> N100 Macro Port 55	 <b>25101</b> M67 Flip diopter holder for M67 macro ports
















## N100 Port System for Sony A7/A7R/A7S System

LENS	GEAR	PORT BASE	EXTENSIONS	LENS PORT	OPTIONAL ACCESSORIES
Sony SEL1224G FE 12-24mm F4 G	 <b>37153</b> SFE1224-Z	 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	 <b>21140</b> Extension ring 40 with lock	 <b>18812 (*1)</b> 230mm optical glass fisheye port II	
	 <b>37154</b> SFE1224-F				
Sony SEL1635GM FE 16-35mm F2.8 GM	 <b>37155</b> SFE1635GM-Z	 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	 <b>21170</b> Extension ring 70 with lock	 <b>18812 (*1)</b> 230mm optical glass fisheye port II	
	 <b>37156</b> SFE1636GM-F				 <b>21160</b> Extension ring 60 with lock
Sony SEL1635Z Vario-Tessar T* FE 16-35mm F4 ZA OSS	 <b>37145</b> SE1635-Z	 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	 <b>37402+37403</b> N100 Extension ring 40+50	 <b>37129</b> N100 180mm optical glass wide angle port	
	 <b>37146</b> SE1635-F				 <b>21160</b> Extension ring 60 with lock
Zeiss Batis 2.8/18		 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	 <b>21150</b> Extension ring 50 with lock	 <b>18809</b> 180mm optical glass wide angle port	
					 <b>21120</b> Extension ring 20 with lock
Sony SEL28F20 + SEL075UWC FE 28mm F2 + FE Ultra wide adaptor		 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	 <b>21130</b> Extension ring 30 with lock	 <b>18809</b> 180mm optical glass wide angle port	
Metabones EF Lens to NEX Smart Adapter III with Canon EF 16-35mm f/2.8L II USM	 <b>19527</b> C1635II-Z	 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	 <b>21270</b> Extension ring 70 with Focus knob	 <b>18802</b> 8.5" acrylic dome port	
	 <b>19542</b> C1635II-F				
Sony A-mount Adaptor [LA-EA3] w/ SAL1635Z Vario-Sonnar T* 16-35mm F2.8 ZA SSM	 <b>37143</b> EA1635-Z	 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	 <b>21170</b> Extension ring 70 with lock	 <b>18809</b> 180mm optical glass wide angle port	
	 <b>37144</b> EA1635-F				

WIDE/ZOOM



# N100 Port System for Sony A7/A7R/A7S System

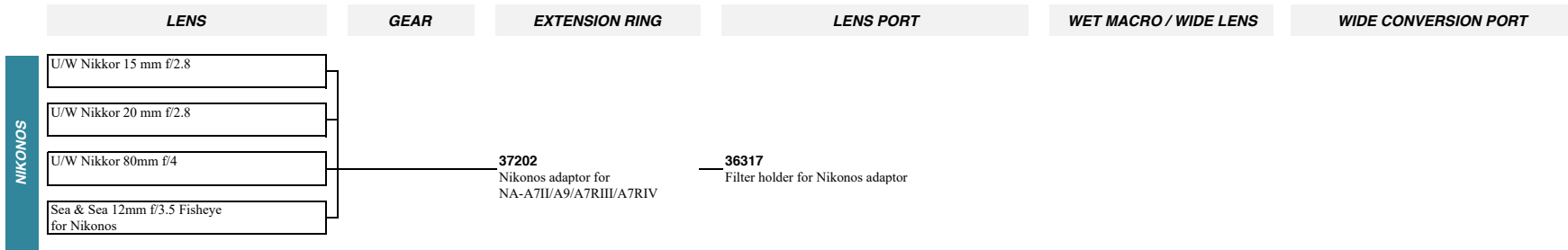
	LENS	GEAR	PORT BASE	EXTENSIONS	LENS PORT	OPTIONAL ACCESSORIES
FISHEYE/ZOOM	Sony SEL28F20 + SEL057FEC FE 28mm F2 + FE Fisheye adaptor		 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	 <b>21130</b> Extension ring 30 with lock	 <b>18810</b> N120 140mm optical glass fisheye port	
	Metabones EF Lens to NEX Smart Adapter III with Canon EF 8-15mm f/4L Fisheye USM	 <b>19537</b> C815-Z  <b>19541</b> C815-F	 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	 <b>21230</b> Extension ring 30 with Focus knob	 <b>18811</b> N120 140mm optical glass fisheye port with removable shade	***Remove shade when used on a full frame camera
	Metabones EF Lens to NEX Smart Adapter III w/ Sigma 15mm F2.8 EX DG Diagonal Fisheye	 <b>19546</b> SC15-F	 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob			 <b>18810 (*1)</b> N120 140mm optical glass fisheye port  <b>18802</b> 8.5" acrylic dome port
NIKONOS	U/W Nikkor 15 mm f/2.8					
	U/W Nikkor 20 mm f/2.8					
	U/W Nikkor 80mm f/4		 <b>37201</b> Nikonos Adaptor for NA-A7			 <b>36317</b> Filter holder for Nikonos adaptor
	Sea & Sea 12mm f/3.5 Fisheye for Nikonos					
EF mount Lense	EF mount lenses with Metabones EF Lens to NEX Smart Adapter III / IV <i>*See Canon N120 Port System for available lenses</i>	See Canon N120 Port System	 <b>37301</b> N100 to N120 40mm port adaptor with zoom/focus knob	See Canon N120 Port System	See Canon N120 Port System	



**N100 PORT SYSTEM FOR SONY A7C SYSTEM**

	LENS	GEAR	EXTENSION RING	LENS PORT	WET MACRO / WIDE LENS	WIDE CONVERSION PORT
MACRO	Sony SEL90M28G FE 90mm F2.8 Macro G OSS	37147 SE90-F		37126 N100 Macro port 105	81201 SMC-1 (MM <sup>1</sup> : 2.2 : 1 WD <sup>2</sup> : 45 - 93mm) 81202 SMC-2 (MM <sup>1</sup> : 3.4 : 1 WD <sup>2</sup> : 22 - 36mm) 87303 EMWL Set #3	
	Sigma 105mm f2.8 DG DN Macro Art	37166 SGE105-F		37125 N100 Macro port 110 OPTIONAL ACCESSORIES	81201 SMC-1 (MM <sup>1</sup> : 2.3 : 1 WD <sup>2</sup> : 45 - 93mm)	
STANDARD / ZOOM	Sony SEL2860 FE 28-60mm F4-5.6	37163 SFE2860-Z	37401+37401 N100 Extension ring 30+30	37129 N100 180mm Optical glass wide angle port		85203 N100 0.36x Wide Angle Conversion Port Converted FOV : 130°-68° (On FF)
		37164 SFE2860-F	37401 N100 Extension ring 30	37165 N100 Flat port 45 with focus knob OPTIONAL ACCESSORIES	83201 (*1) Wet Wide Lens 1 83214+81301/81302 Bayonet Mount Adaptor+CMC1/CMC2	
	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS	37141 SE2870-Z		37124 Flat port 66 with M77 thread OPTIONAL ACCESSORIES	86201 Macro to Wideangle Lens 1 Workable range 60-70mm Converted FOV : 150°-110°	
			37403 N100 Extension ring 50			85203 N100 0.36x Wide Angle Conversion Port Converted FOV : 130°-59° (On FF)
	Sony SEL28F20 FE 28mm F2	37150 SE28-F		37127 N100 Flat port 32	83201 Wet Wide Lens 1 (WWL-1)	
WIDE / ZOC	Sony SEL1635Z Vario-Tessar T* FE 16-35mm F4 ZA OSS	37145 SE1635-Z	37401+37403 N100 Extension ring 30+50	37129 N100 180mm Optical glass wide angle port		
E mount Lenses	Other compatible E mount lenses		37305* N100 to N120 35.5mm Port adaptor II	See N100 Sony A Series Port System		

**N100 PORT SYSTEM FOR SONY A7C SYSTEM**





## 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 SEL50M28 FE 50mm f/2.8 Macro			<b>37402</b> N100 Extension Ring 40	<b>37123</b> N100 Macro Port 55				
	Sony SEL50M18 FE 50mm f/1.8				<b>37123</b> N100 Macro Port 55	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Max. Magnification 0.9X Working Distance 60-77mm	
	<i>* These setups are only recommended to use with Crop/APS-C format enabled</i>							<b>81302</b> CMC - 2	Max. Magnification 0.6X Working Distance 37-48mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1		Max. Magnification 0.9X Working Distance 60-77mm
							<b>81302</b> CMC - 2		Max. Magnification 0.6X Working Distance 37-48mm
						<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1		Lens FOV 31° Converted FOV 116°
	Sony SEL50M28 FE 50mm f/2.8 Macro			<b>37402</b> N100 Extension Ring 40	<b>37127</b> N100 Flat Port 32				
	Sony SEL55F18Z AE Sonnar T* FE 55mm F1.8 ZA				<b>37123</b> N100 Macro Port 55				<i>* This setup is not compatible with Extension Rings I SN:A175724 before 09/2016</i>
	Sony SEL90M28G FE 90mm f/2.8 Macro G OSS	<b>37147</b> SE90-F				<b>37126</b> N100 Macro Port 105	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81201</b> SMC - 1	Max. Magnification 2.2X Working Distance 45-93mm
								<b>81202</b> SMC - 2	Max. Magnification 3.4X Working Distance 22-36mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81201</b> SMC - 1	Max. Magnification 2.2X Working Distance 45-93mm	
							<b>81202</b> SMC - 2	Max. Magnification 3.4X Working Distance 22-36mm	
						<b>83250</b> M67 to Bayonet Mount Converter II	<b>87303</b> EMWL Set#3	Lens FOV 27° Converted FOV 60°/100°/130°/160°	
Sigma 105mm F2.8 DG DN Macro Art	<b>37166</b> SGE105-F				<b>37125</b> N100 Macro Port 110	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81201</b> SMC - 1	Max. Magnification 2.3X Working Distance 49-80mm	
							<b>81202</b> SMC - 2	Max. Magnification 3.6X Working Distance 26-35mm	
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81201</b> SMC - 1	Max. Magnification 2.3X Working Distance 49-80mm	
							<b>81202</b> SMC - 2	Max. Magnification 3.6X Working Distance 26-35mm	
						SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81201</b> SMC - 1	Max. Magnification 2.3X Working Distance 49-80mm	
							<b>81202</b> SMC - 2	Max. Magnification 3.6X Working Distance 26-35mm	
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81201</b> SMC - 1	Max. Magnification 2.3X Working Distance 49-80mm	
							<b>81202</b> SMC - 2	Max. Magnification 3.6X Working Distance 26-35mm	
			<b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22120</b> N120 Extension Ring 20 II	<b>18701</b> Macro Port 60				

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.

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



## 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
<b>MACRO</b> FULL FRAME	Laowa 24mm f/14 2X Macro Probe	19155 N120 DSLR Gear Set	<sup>1</sup> 37305 N100 to N120 35.5mm Port Adaptor II	22170 + 22171 N120 Extension Ring 70 II + Focus Knob	16336 N120 Port Adaptor			
<b>STANDARD ZOOM</b> FULL FRAME	Sony SEL2470Z Vario-Tessar T* FE 24-70mm F4 ZA OSS	37149 SE2470-Z  37149 + 37148 SE2470-Z + SE2470-F	<sup>1</sup> 37305 N100 to N120 35.5mm Port Adaptor II	22130 N120 Extension Ring 30 II	85204 N120 WACP - 2  18809 180mm Optical Glass Wide Angle Port			Lens FOV 84-34° Converted FOV 98-72° Zoom Range 24-35mm
	Sony SEL2470GM FE 24-70mm f/2.8 GM	37151 SFE2470GM-Z  37151 + 37152 SFE2470GM-Z +	<sup>1</sup> 37305 N100 to N120 35.5mm Port Adaptor II	22130 N120 Extension Ring 30 II  22160 N120 Extension Ring 60 II	85204 N120 WACP - 2  18809 180mm Optical Glass Wide Angle Port			Lens FOV 84-34° Converted FOV 98-72° Zoom Range 24-35mm
	Sony SEL2470GM2 FE 24-70mm f/2.8 GM II	37173 SFE2470II-Z	<sup>1</sup> 37305 N100 to N120 35.5mm Port Adaptor II	22150 N120 Extension Ring 50 II  22155 N120 Extension Ring 55 II	18802 8.5" Acrylic dome port 18812 230mm Optical Glass Wide Angle Port * 18815 250mm Optical Glass Wide Angle Port 18809 180mm Optical Glass Wide Angle Port			
	Sony SEL28F20 FE 28mm f/2	37150 SE28-F		37401 N100 Extension Ring 30	37127 N100 Flat Port 32  85205 N100 WACP - C	83250 M67 to Bayonet Mount Converter II	<sup>1</sup> 83201 WWL - 1  83202 WWL - 1B	Lens FOV 75° Converted FOV 130°  Lens FOV 75° Converted FOV 130°
	Sony SEL2860 FE 28-60mm F4-5.6  <i>* Please refer to the following page for more setup options</i>	37163 SFE2860-Z  37163 + 37168 SFE2860-Z + SFE2860-F (WACP-1)  37163 + 37164 SFE2860-Z + SFE2860-F		37401 + 37401 N100 Extension Ring 30 + N100 Extension Ring 30  37401 N100 Extension Ring 30  <sup>1</sup> 37305 N100 to N120 35.5mm Port Adaptor II  <sup>1</sup> 37305 N100 to N120 35.5mm Port Adaptor II	37129 N100 180mm Optical Glass Wide Angle Port  * 85203 N100 WACP-1  85205 N100 WACP - C  22130 N120 Extension Ring 30 II  * 18809 180mm Optical Glass Wide Angle Port  85201 N120 WACP - 1			Lens FOV 75-40° Converted FOV 130-69°  Lens FOV 75-40° Converted FOV 130-69°  Lens FOV 75-39° Converted FOV 130-68°
					37165 N100 Flat Port 45 with Focus Knob	83250 M67 to Bayonet Mount Converter II	<sup>1</sup> 83201 WWL - 1  83202 WWL - 1B	Lens FOV 75-40° Converted FOV 130-69°  Lens FOV 75-40° Converted FOV 130-69°

<sup>1</sup>. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.  
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



## 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
STANDARD ZOOM FULL FRAME	Sony SEL2860 FE 28-60mm F4-5.6	37163 + 37164 SFE2860-Z + SFE2860-F			37165 N100 Flat Port 45 with Focus Knob	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Max. Magnification 0.9X Working Distance 55-80mm
						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	Max. Magnification 0.7X Working Distance 83-135mm
							81301 CMC - 1	Max. Magnification 0.9X Working Distance 55-80mm
							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	* 85203 N100 WACP - 1			Lens FOV 75-34° Converted FOV 130-59°
					85205 N100 WACP - C			Lens FOV 75-34° Converted FOV 130-59°
					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	<sup>1</sup> 37305 N100 to N120 35.5mm Port Adaptor II	22120 N120 Extension Ring 20 II	85201 N120 WACP - 1			Lens FOV 75-34° Converted FOV 130-59°
	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	<sup>1</sup> 83201 WWL - 1	Lens FOV 62° Converted FOV 109°
						<sup>1</sup> 83202 WWL - 1B	Lens FOV 62° Converted FOV 109°	
	Sigma 24-70mm f/2.8 DG DN Art	37171 SSF2470-Z	<sup>1</sup> 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	
				22140 N120 Extension Ring 40 II	85201 N120 WACP - 1		Lens FOV 73° Converted FOV 127° Zoom Range 29mm	
	Tamron 28-75mm f/2.8 Di III RXD	37159 STE2875-Z	<sup>1</sup> 37305 N100 to N120 35.5mm Port Adaptor II	22135 N120 Extension Ring 35 II	85201 N120 WACP - 1		Lens FOV 75-52° Converted FOV 130-90° Zoom Range 28-45mm	
		37159 + 37160 STE2875-Z + STE2875-F		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			

<sup>1</sup>. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.  
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



## N100 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM ( Full Frame Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
WIDE ANGLE FULL FRAME	Sony SEL1224GM FE 12-24mm F2.8 GM	<b>37161</b> SFE1224GM-Z  <b>37161 + 37162</b> SFE1224GM-Z + SFE1224GM-F	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22155</b> N120 Extension Ring 55 II	<b>18812</b> 230mm Optical Glass Wide Angle Port	<i>* This setup is not compatible with Extension Rings I SN:A055053 before 09/2016</i>
	Sony SEL1224G FE 12-24mm F4 G	<b>37153</b> SFE1224-Z  <b>37153 + 37154</b> SFE1224-Z + SFE1224-F	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22140</b> N120 Extension Ring 40 II	<b>18812</b> 230mm Optical Glass Wide Angle Port	
	Sony FE 14mm f/1.8 GM		<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22120</b> N120 Extension Ring 20 II  <b>22130</b> N120 Extension Ring 30 II	<b>18809</b> 180mm Optical Glass Wide Angle Port  <b>18802</b> 8.5" Acrylic dome port  <b>* 18812</b> 230mm Optical Glass Wide Angle Port  <b>18815</b> 250mm Optical Glass Wide Angle Port	
			<b>37306</b> N100 to N120 25mm Port Adaptor		<b>85204</b> N120 WACP - 2	Lens FOV <b>114°</b> Converted FOV <b>140°</b>
	Sony SEL1635GM FE 16-35mm F2.8 GM	<b>37155</b> SFE1635GM-Z  <b>37155 + 37156</b> SFE1635GM-Z + SFE1635GM-F	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22130</b> N120 Extension Ring 30 II  <b>22160</b> N120 Extension Ring 60 II  <b>22170</b> N120 Extension Ring 70 II	<b>85204</b> N120 WACP - 2  <b>18809</b> 180mm Optical Glass Wide Angle Port  <b>* 18812</b> 230mm Optical Glass Wide Angle Port	Lens FOV <b>107-63°</b> Converted FOV <b>128-77°</b>
Sony SEL1635Z Vario-Tessar T* FE 16-35mm F4 ZA OSS	<b>37145</b> SE1635-Z  <b>37145 + 37146</b> SE1635-Z + SE1635-F	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II  <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>37401 + 37403</b> N100 Extension Ring 30 + N100 Extension Ring 50  <b>21110</b> N120 Extension Ring 10  <b>22110</b> N120 Extension Ring 10 II  <b>22150</b> N120 Extension Ring 50 II  <b>22160</b> N120 Extension Ring 60 II	<b>37129</b> N100 180mm Optical Glass Wide Angle Port  <b>85204</b> N120 WACP - 2  <b>85204</b> N120 WACP - 2  <b>18809</b> 180mm Optical Glass Wide Angle Port  <b>* 18812</b> 230mm Optical Glass Wide Angle Port	Lens FOV <b>107-63°</b> Converted FOV <b>128-77°</b>  <i>* This setup is only compatible with WACP-2 before SN:A526311</i>  Lens FOV <b>107-63°</b> Converted FOV <b>128-77°</b>  <i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>  Lens FOV <b>107-63°</b> Converted FOV <b>128-77°</b>	

<sup>1</sup>. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.  
 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*



## 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	
WIDE ANGLE FULL FRAME	Sony FE PZ 16-35mm f/4 G	37172 SFE1635-Z	37305 N100 to N120 35.5mm Port Adaptor II	37403 N100 Extension Ring 50	37129 N100 180mm Optical Glass Wide Angle Port				
				22125 N120 Extension Ring 25 II	18802 8.5" Acrylic dome port				
				22120 N120 Extension Ring 20 II	18812 230mm Optical Glass Wide Angle Port				
				22135 N120 Extension Ring 35 II	18809 180mm Optical Glass Wide Angle Port				
				21110 N120 Extension Ring 10	* 18815 250mm Optical Glass Wide Angle Port				
				22110 N120 Extension Ring 10 II	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	
					85201 N120 WACP - 1		* This setup is only compatible with WACP-1 SN: A502435 onwards	Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm	
	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							
	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				
				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				

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.  
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



## 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
WIDE ANGLE FULL FRAME	Sigma 24mm f/3.5 DG DN				<b>37127</b> N100 Flat Port 32	<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL-C	Lens FOV 84° Converted FOV 130°
				<b>37403</b> N100 Extension Ring 50	<b>* 37129</b> N100 180mm Optical Glass Wide Angle Port			
			<b>1 37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22120</b> N120 Extension Ring 20 II	<b>18809</b> 180mm Optical Glass Wide Angle Port			
	Tamron 17-28mm f/2.8 Di III RXD	<b>37157</b> STE1728-Z	<b>1 37305</b> N100 to N120 35.5mm Port Adaptor II			<b>85204</b> N120 WACP - 2		Lens FOV 104-75° Converted FOV 123-89°
		<b>37157 + 37158</b> STE1728-Z + STE1728-F	<b>1 37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22140</b> N120 Extension Ring 40 II	<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			
	Zeiss Batis 18mm F/2.8		<b>1 37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22120</b> N120 Extension Ring 20 II	<b>18809</b> 180mm Optical Glass Wide Angle Port			
	Sony FE 28mm f/2 + Sony 21mm Ultra-Wide Conversion Lens		<b>1 37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22130</b> N120 Extension Ring 30 II	<b>18809</b> 180mm Optical Glass Wide Angle Port			
	Sony FE 28mm f/2 + Sony 16mm Fisheye Conversion Lens		<b>1 37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22130</b> N120 Extension Ring 30 II	<b>18810</b> 140mm Optical Glass Wide Angle Port			
NIKONOS	Sony Full Frame Camera Sensor	<b>36317</b> Filter Holder				<b>37202</b> 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	<b>19546</b> SC15-F	<b>1 37305</b> N100 to N120 35.5mm Port Adaptor II		<b>18810</b> 140mm Optical Glass Fisheye Port			
	Other Canon EF-mount Lenses with Metabones T Smart Adaptor III/IV/V		<b>1 37305</b> N100 to N120 35.5mm Port Adaptor II		<b>N120 Canon EF-Mount Port System</b>			

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.  
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





## N85 PORT SYSTEM FOR CANON EF-M-MOUNT CAMERA SYSTEM ( APS-C Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
MACRO APS-C	Canon EF-S 60mm f/2.8 Macro USM with Canon EF-M Lens Adapter Kit	<b>36192</b> CMEF60-F  <b>19521</b> C60-F	<b>36184</b> N85 to N120 41.5mm Port Adaptor	<b>36182</b> Macro Port for Canon EF-EOS M Adaptor	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81302</b> CMC - 2  <b>81201</b> SMC - 1	Max. Magnification 1.6X Working Distance 38-120mm  Max. Magnification 1.6X Working Distance 28-94mm	
				<b>18704</b> 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>	<b>81302</b> CMC - 2  <b>81201</b> SMC - 1	Max. Magnification 1.6X Working Distance 38-120mm  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	<b>81302</b> CMC - 2  <b>81201</b> SMC - 1	Max. Magnification 1.6X Working Distance 38-120mm  Max. Magnification 1.6X Working Distance 28-94mm		
STANDARD ZOOM APS-C	Canon EF-M 15-45mm f/3.5-6.3 IS STM	<b>36195</b> CM1545-Z		<b>36135</b> N85 Macro Port 45	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1  <b>81302</b> CMC - 2	Max. Magnification 0.8X Working Distance 37-81mm  Max. Magnification 0.7X Working Distance 59-150mm	
					SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1  <b>81302</b> CMC - 2	Max. Magnification 0.8X Working Distance 37-81mm  Max. Magnification 0.7X Working Distance 59-150mm	
					<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B  <b>83203</b> WWL - C	Lens FOV 74-33° Converted FOV 128-57° Zoom Range 18-45mm  Lens FOV 74-33° Converted FOV 128-57° Zoom Range 18-45mm  Lens FOV 76-33° Converted FOV 117-51° Zoom Range 17-45mm	
	Canon EF-M 18-55mm f/3.5-5.6 IS STM	<b>36191</b> CM1855-Z		<b>36181</b> 4" Acrylic Wide Angle Port	<b>25105 + 81222</b> M67 Flip Diopter Holder for 36137 + M67 Adapter Ring	<b>81302</b> CMC - 1	Max. Magnification 0.6X Working Distance 58-127mm	
								<b>36131</b> 3.5" Acrylic Wide Angle Port
								<b>36126</b> E16 Mancake Port
Canon EF-M 22mm f/2 STM				<b>36126</b> E16 Mancake Port	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 63° Converted FOV 109°  Lens FOV 63° Converted FOV 109°		
WIDE ANGLE APS-C	Canon EF-M 11-22mm f/4-5.6 IS STM	<b>36194</b> CM1122-Z	<b>36204</b> N85 to N120 60mm Port Adaptor	<b>36181</b> 4" Acrylic Wide Angle Port	<b>18809</b> 180mm Optical Glass Wide Angle Port			
				<b>36133</b> 6" Acrylic Wide Angle Port				
				<b>36129</b> 7" Acrylic Dome Port				

1. #36184 & Port Adaptor is incompatible to used on NA-EOSM & NA-EOSM3 housings

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



## N85 PORT SYSTEM FOR CANON EF-M-MOUNT CAMERA SYSTEM ( Full Frame Format Lens with Canon EF-M Lens Adapter Kit )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
CANON EF-MOUNT	Canon EF 8-15mm f/4L Fisheye USM with Canon EF-M Lens Adapter Kit	<b>36193</b> CMEF815-Z  <b>19537</b> C815-Z	<b>36184</b> N85 to N120 41.5mm Port Adaptor	<b>22130</b> N120 Extension Ring 30 II	<b>36183</b> 4.33" Acrylic Dome Port for Canon EF 8-15mm f/4L Fisheye USM  <b>* 18811</b> 140mm Optical Glass Fisheye Port with Removable Shade			
	Canon EF 100mm f/2.8L Macro IS USM with Canon EF-M Lens Adapter Kit		<b>36204</b> N85 to N120 60mm Port Adaptor	<b>22130</b> N120 Extension Ring 30 II	<b>18704</b> 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>	<b>81201</b> SMC - 1  <b>81202</b> SMC - 2  <b>81302</b> CMC - 2	Max. Magnification 2.0X Working Distance 45-95mm  Max. Magnification 3.4X Working Distance 23-39mm  Max. Magnification 2.1X Working Distance 53-127mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81201</b> SMC - 1  <b>81202</b> SMC - 2  <b>81302</b> CMC - 2	Max. Magnification 2.0X Working Distance 45-95mm  Max. Magnification 3.4X Working Distance 23-39mm  Max. Magnification 2.1X Working Distance 53-127mm
		<b>19523</b> C100IS-F	<b>36184</b> N85 to N120 41.5mm Port Adaptor		<b>18703</b> 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>	<b>81201</b> SMC - 1  <b>81202</b> SMC - 2  <b>81302</b> CMC - 2	Max. Magnification 2.0X Working Distance 45-95mm  Max. Magnification 3.4X Working Distance 23-39mm  Max. Magnification 2.1X Working Distance 53-127mm
						SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81201</b> SMC - 1  <b>81202</b> SMC - 2  <b>81302</b> CMC - 2	Max. Magnification 2.0X Working Distance 45-95mm  Max. Magnification 3.4X Working Distance 23-39mm  Max. Magnification 2.1X Working Distance 53-127mm
	Other Canon EF-mount Lenses with Canon EF-M Lens Adapter Kit		<b>36184</b> N85 to N120 41.5mm Port Adaptor		<b>N120 Canon EF-Mount Port System</b>			

1. #36184 & Port Adaptor is incompatible to used on NA-EOSM & NA-EOSM3 housings

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

**N85 PORT SYSTEM FOR FUJIFILM XT1&XT2 SYSTEM**

	LENS	GEAR	PORT ADAPTOR	EXTENSION RING	LENS / PORT
MACRO	Carl Zeiss Touit 2.8/50M	36422 XZ50-A		36620 Mini extension ring 20	36135 Macro port 45
				36630 Mini extension ring 30	36139 Macro port 35
	FUJINON XF60mmF2.4 R Macro	36423 X60-A			36163 Macro port 65
				36620 Mini extension ring 20	36135 Macro port 45
STANDARD / ZOOM	FUJINON XF18-55F2.8-4.0	36442 X1855-A			
		36443 X1855-Z1	36401 N85 to N120 55mm Port adaptor with knob		18809 (*1) 180mm Optical glass wide angle port
		36444 X1855-Z2			36164 6" Wide angle port with focus knob
WIDE / ZOOM	FUJINON XF10-24mmF4 R OIS	36421 X1024-A			
		36441 X1024-Z	36401 N85 to N120 55mm Port adaptor		18809 180mm Optical glass wide angle port
	FUJINON XF18mmF2	36445 X18-A			36126 E16 Pancake port OPTIONAL ACCESSORIES 83201 Wet Wide Lens 1 (WWL-1)
	FUJINON XF23mmF2	36446 X23-A			36139 Macro port 35 OPTIONAL ACCESSORIES 83201 Wet Wide Lens 1 (WWL-1)
				36617 Mini extension ring 17	36126 E16 Pancake port OPTIONAL ACCESSORIES 83201 Wet Wide Lens 1 (WWL-1)
MACRO / WIDE	Carl Zeiss Touit 2.8/50M		36620 Mini extension ring 20	36135 Macro port 45	86201(*1) Macro to Wideangle Lens 1 (MWL-1) OPTIONAL ACCESSORIES 86222 Double Flip Holder for MWL-1
			36630 Mini extension ring 30	36139 Macro port 35	86201 Macro to Wideangle Lens 1 (MWL-1) OPTIONAL ACCESSORIES 86222 Double Flip Holder for MWL-1

Remarks: (\*1) Most recommended

Optional accessories:

2501 M67 Flip diopter holder for M67 macro ports is recommended to use with Nauticam wet macro lenses



## N85 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
MACRO APS-C	Sony E 30mm f/3.5 Macro	36171 SE30-F			36135 N85 Macro Port 45				
				36128 N85 Macro Port 45 with Focus Knob					
	ZEISS Touit 50mm f/2.8M Macro			36630 N85 Extension Ring 30	36135 N85 Macro Port 45	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	81301 CMC - 1	Max. Magnification 1.3X Working Distance 17-75mm	
							SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1  81302 CMC - 2	Max. Magnification 1.3X Working Distance 17-75mm  Max. Magnification 1.0X Working Distance 30-130mm
					<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV 31° Converted FOV 116°		
MACRO FULL FRAME	Sony FE 50mm f/2.8 Macro		<sup>1</sup> 36207 N85 to N120 50mm Port Adaptor II with Knob		18704 Macro Port 41	<b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	81301 CMC - 1	Max. Magnification 1.4X Working Distance 6-73mm	
							81302 CMC - 2	Max. Magnification 1.3X Working Distance 12-125mm	
	Sony FE 90mm f/2.8 Macro G OSS		<sup>1</sup> 36204 N85 to N120 60mm Port Adaptor II		18701 Macro Port 60	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	Max. Magnification 2.1X Working Distance 45-93mm	
							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  81202 SMC - 2	Max. Magnification 2.1X Working Distance 45-93mm  Max. Magnification 2.9X Working Distance 23-39mm
			36175 SFE90-F	36205 N85 to N100 65mm Port Adaptor		37123 N100 Macro Port 55 <i>* this setup is only compatible with 37123 SN:A175724 onwards</i>	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	Max. Magnification 2.1X Working Distance 45-93mm
								81202 SMC - 2	Max. Magnification 2.9X 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  81202 SMC - 2	Max. Magnification 2.1X Working Distance 45-93mm  Max. Magnification 2.9X Working Distance 23-39mm	
SONY A-MOUNT	Sony DT 30mm f/2.8 Macro SAM with Sony LA-EA1/3/5 A-Mount to E-Mount Adapter				36202 EA30 Port				

1. Optical fibre cables # 26212-5 & 26221-3 cannot be used on NA-NEX 6/7, NA-A6000 & NA-A5000 housings while using #36204 & #36207 Port Adaptor.  
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





## N85 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	PORT ADAPTOR	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
STANDARD ZOOM APSC	Sony E 18-55mm f/3.5-5.6 OSS	36122 SE1855-PZ		36137 4" Wide Angle Port	25105 + 81222 M67 Flip Diopter Holder for 36137 + M67 Adapter Ring	81301 CMC - 1	Max. Magnification 0.8X Working Distance 37-71mm
						81302 CMC - 2	Max. Magnification 0.7X Working Distance 55-122mm
				36121 Flat Port 72	25104 + 81222 M67 Flip Diopter Holder for 36121 + M67 Adapter Ring	81301 CMC - 1	Max. Magnification 0.8X Working Distance 37-71mm
						81302 CMC - 2	Max. Magnification 0.7X Working Distance 55-122mm
WIDE ANGLE APSC	Sony E 10-18mm f/4 OSS	36173 SE1018-Z		36129 7" Acrylic Dome Port			
			<sup>1</sup> 36204 N85 to N120 60mm Port Adaptor	* 18809 180mm Optical Glass Wide Angle Port			
			<sup>1</sup> 36207 N85 to N120 50mm Port Adaptor II with Knob	18809 180mm Optical Glass Wide Angle Port			
	Sony E 16mm f/2.8			36126 E16 Pancake Port			
				* 36125 4.33" Acrylic Wide-angle Dome Port			
	Sony E 16mm f/2.8 with Sony Fisheye Converter VCL-ECF1 / VCL-ECU1			36125 4.33" Acrylic Wide-angle Dome Port			
ZEISS Touit 12mm f/2.8			<sup>1</sup> 36204 N85 to N120 60mm Port Adaptor	* 18809 180mm Optical Glass Wide Angle Port			
			<sup>1</sup> 36207 N85 to N120 50mm Port Adaptor II with Knob	18809 180mm Optical Glass Wide Angle Port			
Sigma 19mm f/2.8 DN Art				36135 N85 Macro Port 45	83250 M67 to Bayonet Mount Converter II	<sup>1</sup> 83201 WWL - 1	Lens FOV 73.5° Converted FOV 127°
						83202 WWL - 1B	Lens FOV 73.5° Converted FOV 127°
Tokina AT-X 107 AF DX Fisheye 10-17mm f/3.5-4.5 for Canon with Metabones Canon EF Lens to Sony NEX Smart Adapter III/IV/V	19529 TC1017-Z		<sup>1</sup> 36207 N85 to N120 50mm Port Adaptor II with Knob	18804 4.33" Acrylic Wide-angle Dome Port for Tokina AT-X 10-17MM F3.5-4.5 FISHEYE DX			
NIKONOS	Sony APS-C Camera Sensor	36317 Filter Holder			36201 Nikonos to NEX Adaptor	U/W Nikkor 15 mm f/2.8	
						U/W Nikkor 20 mm f/2.8	
						U/W Nikkor 28 mm f/3.5	

1. Optical fibre cables # 26212-5 & 26221-3 cannot be used on NA-NEX 6/7, NA-A6000 & NA-A5000 housings while using #36204 & #36207 Port Adaptor.  
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



## N85 PORT SYSTEM FOR SONY E-MOUNT CAMERA SYSTEM ( APS-C & Full Frame Format Lens )

	CAMERA LENS	GEAR	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
NIKONOS	Sony APS-C Camera Sensor	<b>36317</b> Filter Holder	<b>36201</b> Nikonos to NEX Adaptor	U/W Nikkor 35 mm f/2.5  U/W Nikkor 80mm f/1.4  Sea & Sea 12mm f/3.5 Fisheye for Nikonos	

1. Optical fibre cables # 26212-5 & 26221-3 cannot be used on NA-NEX 6/7, NA-A6000 & NA-A5000 housings while using #36204 & #36207 Port Adaptor.  
 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





## COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

CAMERA ( HOUSING )	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE		
<b>Sony Cyber-shot DSC-RX100 Mark V ( 17418/17418P NA-RX100V / Pro Package )</b>  * 24-70mm (35mm equivalent)  * Port is inexchangeable for this housing		SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Smallest Subject Size 35x23.3mm Working Distance 55-75mm		
			<b>81302</b> CMC - 2	Smallest Subject Size 48x32mm Working Distance 80-124mm		
		SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1	Smallest Subject Size 35x23.3mm Working Distance 55-75mm		
			<b>81302</b> CMC - 2	Smallest Subject Size 48x32mm Working Distance 80-124mm		
		<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>83203</b> WWL - C	Lens FOV 84-34° Converted FOV 130-52°		
			<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 75-34° Converted FOV 130-58° Zoom Range 28-70mm		
			<b>83202</b> WWL - 1B	Lens FOV 75-34° Converted FOV 130-58° Zoom Range 28-70mm		
			<b>86201</b> MWL - 1	Lens FOV 37-34° Converted FOV 138-128° Zoom Range 65-70mm		
		<b>Sony Cyber-shot DSC-RX100 Mark VI ( 17421/17421P NA-RX100VI / Pro Package )</b>  * 24-200mm (35mm equivalent)  * Port is exchangeable for this housing	<b>38702</b> N50 3.5" Acrylic Wide Angle Dome Port			
			<b>25107</b> M67 Flip Diopter Holder	<b>81201</b> SMC - 1	Smallest Subject Size 14x9.3mm Working Distance 84-94mm	
<b>81202</b> SMC - 2	Smallest Subject Size 7.5x5mm Working Distance 34-37mm					
<b>38704</b> N50 Short Port 22 with Bayonet Mount <i>* change port from housing</i>	<b>83203</b> WWL - C		Lens FOV 84-46° Converted FOV 130-70° Zoom Range 24-50mm			
	<b>83214</b> Bayonet Mount Adaptor for SMC/CMC		<b>81301</b> CMC - 1	Smallest Subject Size 38x25.3mm Working Distance 25-95mm		
<b>81302</b> CMC - 2			Smallest Subject Size 48.5x32.3mm Working Distance 50-160mm			
<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	<b>86201</b> MWL - 1		Lens FOV 40-37° Converted FOV 150-138° Zoom Range 60-65mm			
	<sup>1</sup> <b>83201</b> WWL - 1		Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm			
	<b>83202</b> WWL - 1B		Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm			
	<b>83214</b> Bayonet Mount Adaptor for SMC/CMC		<b>81301</b> CMC - 1	Smallest Subject Size 34x22.7mm Working Distance 40-85mm		
<b>81302</b> CMC - 2		Smallest Subject Size 43.5x29mm Working Distance 58-154mm				

<sup>1</sup>. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
 Smallest subject size refers to the smallest width and height of a subject at the closest working distance.  
 Working distance operates from the distance between the subject and the front element of the close-up lens.



## COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

	CAMERA ( HOUSING )	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE			
SONY	Sony Cyber-shot DSC-RX100 Mark VII ( 17424/17424P NA-RX100VII / Pro Package )  * 24-200mm (35mm equivalent)  * Port is exchangeable for this housing	38702 N50 3.5" Acrylic Wide Angle Dome Port	25107 M67 Flip Diopter Holder	81201 SMC - 1	Smallest Subject Size Working Distance	14x9.3mm 84-94mm		
				81202 SMC - 2	Smallest Subject Size Working Distance	7.5x5mm 34-37mm		
		38705 N50 Short Port 17 with Bayonet Mount <i>* change port from housing</i>		83203 WWL - C	Lens FOV Converted FOV Zoom Range	84-46° 130-70° 24-30mm		
		38703 N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	83214 Bayonet Mount Adaptor for SMC/CMC	86201 MWL - 1	Lens FOV Converted FOV Zoom Range	37° 138° 65mm		
				<sup>1</sup> 83201 WWL - 1	Lens FOV Converted FOV Zoom Range	75-37° 130-64° 28-65mm		
				83202 WWL - 1B	Lens FOV Converted FOV Zoom Range	75-37° 130-64° 28-65mm		
				81301 CMC - 1	Smallest Subject Size Working Distance	34x22.7mm 40-85mm		
				81302 CMC - 2	Smallest Subject Size Working Distance	43.5x29mm 58-154mm		
		CANON	Canon Powershot G5XMKII ( 17331/17331P NA-G5XII / Pro Package )  * 24-120mm (35mm equivalent)  * Port is exchangeable for this housing	38702 N50 3.5" Acrylic Wide Angle Dome Port	25107 M67 Flip Diopter Holder	81301 CMC - 1	Smallest Subject Size Working Distance	21x14mm 44-72mm
						81302 CMC - 2	Smallest Subject Size Working Distance	21x18mm 67-120mm
38703 N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	83214 Bayonet Mount Adaptor for SMC/CMC			81201 SMC - 1	Smallest Subject Size Working Distance	24x16mm 58-93mm		
				83203 WWL - C	Lens FOV Converted FOV Zoom Range	84-46° 130-71° 24-50mm		
				<sup>1</sup> 83201 WWL - 1	Lens FOV Converted FOV Zoom Range	75-46° 130-80° 28-50mm		
				83202 WWL - 1B	Lens FOV Converted FOV Zoom Range	75-46° 130-80° 28-50mm		
				81301 CMC - 1	Smallest Subject Size Working Distance	40x26.7mm 20-72mm		
				81302 CMC - 2	Smallest Subject Size Working Distance	47x31.3mm 33-122mm		

<sup>1</sup>. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
 Smallest subject size refers to the smallest width and height of a subject at the closest working distance.  
 Working distance operates from the distance between the subject and the front element of the close-up lens.



## COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

CAMERA ( HOUSING )	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
<b>Canon Powershot G7XMKII ( 17324 NA-G7XII )</b> * 24-100mm (35mm equivalent) * Port is exchangeable for this housing	<b>38702</b> N50 3.5" Acrylic Wide Angle Dome Port	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Smallest Subject Size Working Distance 23x13.3mm 56-72mm
			<b>81302</b> CMC - 2	Smallest Subject Size Working Distance 31x20.7mm 87-122mm
			<b>81201</b> SMC - 1	Max. Magnification Working Distance 25.5x17mm 73-93mm
		SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1	Smallest Subject Size Working Distance 23x13.3mm 56-72mm
	<b>81302</b> CMC - 2		Smallest Subject Size Working Distance 31x20.7mm 87-122mm	
	<b>81201</b> SMC - 1		Smallest Subject Size Working Distance 25.5x17mm 73-93mm	
	<b>38703</b> N50 Short Port 25 with Bayonet Mount * change port from housing	<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1	Lens FOV Converted FOV Zoom Range 37-24° 138-90° 65-100mm
			<b>83203</b> WWL - C	Lens FOV Converted FOV Zoom Range 84-46° 130-71° 24-50mm
			<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV Converted FOV Zoom Range 75-37° 130-64° 28-65mm
		<b>83214</b> Bayonet Mount Adaptor for SMC/CMC	<b>83202</b> WWL - 1B	Lens FOV Converted FOV Zoom Range 75-37° 130-64° 28-65mm
<b>81301</b> CMC - 1			Smallest Subject Size Working Distance 23x13.3mm 45-72mm	
<b>81302</b> CMC - 2			Smallest Subject Size Working Distance 31x20.7mm 66-122mm	
<b>Canon Powershot G7XMKIII ( 17330/17330P NA-G7XIII / Pro Package )</b> * 24-100mm (35mm equivalent) * Port is exchangeable for this housing *Please refer to the following page for more setup options	<b>38702</b> N50 3.5" Acrylic Wide Angle Dome Port	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Smallest Subject Size Working Distance 23x13.3mm 56-72mm
			<b>81302</b> CMC - 2	Smallest Subject Size Working Distance 31x20.7mm 87-122mm
			<b>81201</b> SMC - 1	Max. Magnification Working Distance 25.5x17mm 73-93mm
		SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1	Smallest Subject Size Working Distance 23x13.3mm 56-72mm
	<b>81302</b> CMC - 2		Smallest Subject Size Working Distance 31x20.7mm 87-122mm	
	<b>81201</b> SMC - 1		Smallest Subject Size Working Distance 25.5x17mm 73-93mm	

<sup>1</sup>. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
 Smallest subject size refers to the smallest width and height of a subject at the closest working distance.  
 Working distance operates from the distance between the subject and the front element of the close-up lens.



## COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

CAMERA ( HOUSING )	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
CANON  Canon Powershot G7XMKIII		<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1	Lens FOV 37-24° Converted FOV 138-90° Zoom Range 65-100mm
		<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm
			<b>83202</b> WWL - 1B	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm
			<b>86201</b> MWL - 1	Lens FOV 37-34° Converted FOV 138-128° Zoom Range 65mm
		<b>83214</b> Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1	Smallest Subject Size 33x22mm Working Distance 45-72mm
			<b>81302</b> CMC - 2	Smallest Subject Size 41x27.3mm Working Distance 66-122mm
		<b>38704</b> N50 Short Port 22 with Bayonet Mount <i>* change port from housing</i>	<b>83203</b> WWL - C	Lens FOV 84-46° Converted FOV 130-71° Working Distance 24-50mm
			<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 75-46° Converted FOV 130-80° Zoom Range 28-50mm
			<b>83202</b> WWL - 1B	Lens FOV 75-46° Converted FOV 130-80° Zoom Range 28-50mm
			<b>83214</b> Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1
			<b>81302</b> CMC - 2	Smallest Subject Size 41x27.3mm Working Distance 66-122mm
PANASONIC  Panasonic Lumix DC-LX100II ( 17717 NA-LX100II )  * 24-75mm (35mm equivalent)  <i>* Port is exchangeable for this housing</i>		<b>38702</b> N50 3.5" Acrylic Wide Angle Dome Port		
		<b>25107</b> M67 Flip Diopter Holder	<b>81301</b> CMC - 1	Smallest Subject Size 33.5x22.3mm Working Distance 50-77mm
			<b>81302</b> CMC - 2	Smallest Subject Size 47x31.3mm Working Distance 76-130mm
		<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 75-57° Converted FOV 130-99° Zoom Range 28-40mm
			<b>83202</b> WWL - 1B	Lens FOV 75-57° Converted FOV 130-99° Zoom Range 28-40mm
		<b>38704</b> N50 Short Port 22 with Bayonet Mount <i>* change port from housing</i>	<b>83203</b> WWL - C	Lens FOV 84-72° Converted FOV 130-112° Working Distance 24-30mm
			<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 75-72° Converted FOV 130-125° Zoom Range 28-30mm
		<b>83202</b> WWL - 1B	Lens FOV 75-72° Converted FOV 130-125° Zoom Range 28-30mm	

<sup>1</sup>. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.

Smallest subject size refers to the smallest width and height of a subject at the closest working distance.

Working distance operates from the distance between the subject and the front element of the close-up lens.



## COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

	CAMERA ( HOUSING )	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE		
PANASONIC	<p>Panasonic Lumix DC-LX10 (LX15) ( 17714 NA-LX10 )</p> <p>* 24-72mm (35mm equivalent)</p> <p>* Port is inexchangeable for this housing</p>	SMC/CMC Option 1 - M67 Thread <b>81228</b> M67 Spacer Ring for SMC/CMC <i>(included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1	Smallest Subject Size 34x22.7mm Working Distance 48-73mm		
			<b>81302</b> CMC - 2	Smallest Subject Size 46x30.7mm Working Distance 76-128mm		
		SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1	Smallest Subject Size 34x22.7mm Working Distance 48-73mm		
			<b>81302</b> CMC - 2	Smallest Subject Size 46x30.7mm Working Distance 76-128mm		
		<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all WWL-1 packaging)</i>	<b>83203</b> WWL - C	Lens FOV 70-34° Converted FOV 108-53° Zoom Range 32-72mm		
			<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 58-34° Converted FOV 100-60° Zoom Range 38-72mm		
			<b>83202</b> WWL - 1B	Lens FOV 58-34° Converted FOV 100-60° Zoom Range 38-72mm		
			<b>86201</b> MWL - 1	Lens FOV 37-34° Converted FOV 138-128° Zoom Range 65-72mm		
		OLYMPUS	<p>Olympus Tough TG5/TG6 ( 17812 NA-TG5 with M52 Thread )</p> <p>* 24-100mm (35mm equivalent)</p> <p>* Port is inexchangeable for this housing</p>	<b>83255</b> M52 to Bayonet Mount Converter for NA-TG5	<b>83203</b> WWL - C	Lens FOV 84-24° Converted FOV 130-37°
					<sup>1</sup> <b>83201</b> WWL - 1 <i>* WWL-1B is incompatible</i>	Lens FOV 75-24° Converted FOV 130-42° Zoom Range 28-100mm
SMC/CMC Option 1 - M67 Thread <b>38024 + 81228</b> M52 to M67 Step Up Adaptor Ring + M67 Spacer Ring for SMC/CMC <i>(81228 is included in all SMC/CMC packaging)</i>	<b>81301</b> CMC - 1			Smallest Subject Size 19x12.7mm Working Distance 34-78mm		
	<b>81302</b> CMC - 2			Smallest Subject Size 21x14mm Working Distance 28.5-98mm		
SMC/CMC Option 2 - Bayonet Mount <b>83250 + 83214</b> M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CMC	<b>81301</b> CMC - 1			Smallest Subject Size 19x12.7mm Working Distance 34-78mm		
	<b>81302</b> CMC - 2		Smallest Subject Size 21x14mm Working Distance 28.5-98mm			
	<b>38024 + 83211</b> M52 to M67 Step Up Adaptor Ring + M67 Mounting Ring for WWL-1 <i>(83211 is included in all WWL-1 packaging)</i>		<b>83201</b> WWL - 1 <i>* WWL-1B is incompatible</i>	Lens FOV 75-24° Converted FOV 130-42° Zoom Range 28-100mm		
<p>Olympus Tough TG5/TG6 ( 17816 NA-TG6 with Bayonet Mount )</p> <p>* 24-100mm (35mm equivalent)</p> <p>* Port is inexchangeable for this housing</p>			<b>83203</b> WWL - C	Lens FOV 84-24° Converted FOV 130-37°		
			<sup>1</sup> <b>83201</b> WWL - 1 <i>* WWL-1B is incompatible</i>	Lens FOV 75-24° Converted FOV 130-42° Zoom Range 28-100mm		
	<b>83214</b> Bayonet Mount Adaptor for SMC/CMC		<b>81301</b> CMC - 1	Smallest Subject Size 19x12.7mm Working Distance 34-78mm		
	<b>81302</b> CMC - 2	Smallest Subject Size 21x14mm Working Distance 28.5-98mm				

<sup>1</sup>. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.

Smallest subject size refers to the smallest width and height of a subject at the closest working distance.

Working distance operates from the distance between the subject and the front element of the close-up lens.



## COMPACT & N50 PORT SYSTEM FOR COMPACT CAMERA SYSTEM

	CAMERA ( HOUSING )	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
OLYMPUS	Olympus PT-058/ PT-059 Underwater Housing	<b>83256</b> Bayonet Mount Converter for Olympus PT-058/PT-059	<b>83203</b> WWL - C  <sup>1</sup> <b>83201</b> WWL - 1 <i>* WWL-1B is incompatible</i>	Lens FOV Converted FOV  Lens FOV Converted FOV Zoom Range  84-24° 130-37°  75-24° 130-42° 28-100mm

<sup>1</sup> We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.  
Smallest subject size refers to the smallest width and height of a subject at the closest working distance.  
Working distance operates from the distance between the subject and the front element of the close-up lens.



## EXTENDED MACRO WIDE LENS EMWL WATER CONTACT MODULAR DESIGN RELAY LENS SYSTEM

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	EMWL	OPTICAL PERFORMANCE	
<b>N120 CINEMA SYSTEM</b>	<b>MACRO FULL FRAME</b>	Canon EF 100mm f/2.8L Macro IS USM	<b>19523</b> C100IS-F	<b>18703</b> Macro Port 94	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87302</b> On Full Frame Sensor EMWL Set #2	Lens FOV 23.4° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #2, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	
		Canon RF 100mm f/2.8L Macro IS USM	<b>19575</b> CRF100-F  <i>* please contact us if SA control is needed</i>	<b>18703</b> Macro Port 94	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87302</b> On Full Frame Sensor EMWL Set #2  <b>87303</b> On Full Frame Sensor EMWL Set #3	Lens FOV 24° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #2, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>  Lens FOV 24° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #3, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	
<b>N120 NIKON F-MOUNT</b>	<b>MACRO FX</b>	Nikon AF-S Micro NIKKOR 60mm f-2.8G ED with HOYA +4 Diopter <i>* This setup can only be use on DX sensor camera</i>	<b>19121</b> N60G-F	<b>18701</b> Macro Port 60	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87303</b> On DX Sensor EMWL Set #3	Lens FOV 26.5° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #3, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	
		Nikon AF-S VR Micro-NIKKOR 105mm f/2.8G IF-ED	<b>19122</b> N105VR-F	<b>18702</b> Macro Port 87	<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° <i>(incl. focusing unit #1, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	
		Sigma 105mm F2.8 EX DG OS HSM Macro	<b>19147</b> SN105-F	<b>22135</b> N120 Extension Ring 35 II	<b>18701</b> Macro Port 60	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87302</b> EMWL Set #2	Lens FOV 23° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #2, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>
<b>N120 NIKON Z-MOUNT</b>	<b>MACRO FX</b>	Nikkor Z MC 105mm f/2.8 VR S Macro	<b>19161</b> NZ105VR-F	<b>18708</b> Macro Port 80	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87302</b> EMWL Set #2	Lens FOV 23° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #2, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	
			<b>22120</b> N120 Extension Ring 20 II	<b>18701</b> Macro port 60	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87302</b> EMWL Set #2	Lens FOV 23° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #2, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	
<b>N120 CANON EF-MOUNT</b>	<b>MACRO APS-C FULL FRAME</b>	Canon EF-S 60mm f2.8 Macro USM	<b>19521</b> C60-F	<b>18704</b> Macro Port 41	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87302</b> EMWL Set #2	Lens FOV 24.5° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #2, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	
		Canon EF 100mm f2.8 Macro USM	<b>19522</b> C100-F	<b>18702</b> Macro Port 87	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87301</b> EMWL Set #1	Lens FOV 24° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #1, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	
		Canon EF 100mm f/2.8L Macro IS USM	<b>19523</b> C100IS-F	<b>18703</b> Macro Port 94	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87302</b> EMWL Set #2	Lens FOV 23.4° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #2, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	
<b>N120 CANON RF-MOUNT</b>	<b>MACRO FULL FRAME</b>	Sigma 105mm F2.8 EX DG OS HSM Macro	<b>19553</b> SC105-F	<b>22130</b> N120 Extension Ring 30 II	<b>18701</b> Macro Port 60	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87301</b> EMWL Set #1	Lens FOV 24° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #1, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>
		Canon RF 100mm f/2.8L Macro IS USM	<b>19575 + 19576</b> CRF100-F + SA Control Ring	<b>18703</b> Macro Port 94	<b>83250</b> M67 to Bayonet Mount Converter II	<b>87302</b> EMWL Set #2  <b>87303</b> EMWL Set #3	Lens FOV 24° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #2, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>  Lens FOV 24° Converted FOV 60°/100°/130°/160° <i>(incl. focusing unit #3, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	





## EXTENDED MACRO WIDE LENS EMWL WATER CONTACT MODULAR DESIGN RELAY LENS SYSTEM

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	EMWL	OPTICAL PERFORMANCE
N120 FUJIFILM G-MOUNT MACRO MEDIUM FORMAT	Fujifilm GF 120mm f/4 Macro R LM OIS WR with HOYA +2 Close Up Diopter	19823 GF120-F	22170 N120 Extension Ring 70 II	18701 Macro Port 60	83250 M67 to Bayonet Mount Converter II	87302 EMWL Set #2 <i>(incl. focusing unit #2, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	Lens FOV 25.7° Converted FOV 60°/100°/130°/160°
N120 PANASONIC L-MOUNT MACRO FULL FRAME	Sigma 105mm F2.8 DG DN Macro Art		22120 N120 Extension Ring 20 II	18708 Macro Port 80	83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1 <i>(incl. focusing unit #1, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	Lens FOV 23.3° Converted FOV 60°/100°/130°/160°
				18701 Macro Port 60	83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1 <i>(incl. focusing unit #1, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	Lens FOV 23.3° Converted FOV 60°/100°/130°/160°
N100 SONY E-MOUNT MACRO FULL FRAME	Sony SEL90M28G FE 90mm F2.8 Macro G OSS	37147 SE90-F		37126 N100 Macro Port 105	83250 M67 to Bayonet Mount Converter II	87303 EMWL Set #3 <i>(incl. focusing unit #3, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	Lens FOV 27° Converted FOV 60°/100°/130°/160°
N85 MICRO FOUR THIRDS MACRO FOUR THIRDS	Olympus M.Zuiko Digital ED 60mm f2.8 Macro	36149 O60-F	36620 N85 Extension Ring 20	36163 N85 Macro Port 65	83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1 <i>(incl. focusing unit #1, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	Lens FOV 20° Converted FOV 60°/100°/130°/160°
				36135 N85 Macro Port 45	83250 M67 to Bayonet Mount Converter II	87301 EMWL Set #1 <i>(incl. focusing unit #1, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	Lens FOV 20° Converted FOV 60°/100°/130°/160°
	Panasonic LEICA DG MACRO-ELMARIT 45mm F2.8 ASPH. MEGA O.I.S.	36145 P45-F		36135 N85 Macro Port 45	83250 M67 to Bayonet Mount Converter II	87303 EMWL Set #3 <i>(incl. focusing unit #3, 150mm relay lens &amp; 3 objective lenses - 60°,100° &amp; 130°)</i>	Lens FOV 20° Converted FOV 60°/100°/130°/160°

<b>Focusing Units</b>	<b>#87201 Focusing Unit #1</b>	<b>#87202 Focusing Unit #2</b>	<b>#87203 Focusing Unit #3</b>
Optical Design	6 elements in 3 groups	6 elements in 3 groups	6 elements in 3 groups
Bayonet	Nauticam bayonet mount	Nauticam bayonet mount	Nauticam bayonet mount
Largest Diameter	96mm	96mm	96mm
Length	83.4mm	71.4mm	66.9mm
Weight	In air 740g / In water 480g	In air 627g / In water 400g	In air 616g / In water 410g
Depth Rating	150m	150m	150m
Lens Body	Hard anodized aluminium alloy	Hard anodized aluminium alloy	Hard anodized aluminium alloy
Lens Coating	Anti-reflection	Anti-reflection	Anti-reflection

<b>Relay Lens</b>	<b>#87211 Relay Lens 150mm</b>
Optical Design	14 elements in 10 groups
Bayonet	Nauticam bayonet mount
Largest Diameter	62mm
Length	164.5mm
Weight	In air 592g / In water 320g
Depth Rating	150m
Lens Body	Hard anodized aluminium alloy
Lens Coating	Anti-reflection

<b>Objective Lenses</b>	<b>#87221 Objective Lens 60°</b>	<b>#87222 Objective Lens 100°</b>	<b>#87223 Objective Lens 130°</b>	<b>#87226 Objective Lens 160°</b>
Optical Design	9 elements in 6 groups	9 elements in 6 groups	9 elements in 6 groups	9 elements in 6 groups
Focus Range	15 mm to ∞	15 mm to ∞	10 mm to ∞	15 mm to ∞
Bayonet	Nauticam bayonet mount	Nauticam bayonet mount	Nauticam bayonet mount	Nauticam bayonet mount
Largest Diameter	62mm	62mm	62mm	62mm
Length	97.0mm	88.5mm	123.2mm	81.5mm
Weight	In air 378g / In water 260g	In air 218g / In water 130g	In air 510g / In water 290g	In air 235g / In water 145g
Depth Rating	150m	150m	150m	150m
Lens Body	Hard anodized aluminium alloy	Hard anodized aluminium alloy	Hard anodized aluminium alloy	Hard anodized aluminium alloy
Lens Coating	Anti-reflection	Anti-reflection	Anti-reflection	Anti-reflection

<b>Accessories</b>	
# 87501	EMWL Flip Holder
# 83250	M67 to Bayonet Converter II
# 87512	Lens Hood for Objective Lens 130°
# 87513	Lens Hood for Objective Lens 100°
# 87516	EMWL Bayonet Holder for Ø70 Float Arm
# 87517	EMWL Bayonet Holder for Ø90 Float Arm
# 87518	Strobe Mounting Brackets for EMWL Relay Lens



## MACRO TO WIDE ANGLE LENS 1 MWL-1

### FOR FULL FRAME 60MM EQUIVAMENT MACRO LENS TO 150° ULTRA WIDE WET-MOUNTED

		CAMERA LENS	GEAR	PORT BASE / PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
N120 NIKON F-MOUNT	MACRO DX	Nikon AF-S DX Micro NIKKOR 40mm f/2.8G DX	19152 N40G-F			18705 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV	39° 150°
	MACRO FX	Nikon AF-S Micro NIKKOR 60mm f/2.8G ED	19121 N60G-F			18701 Macro Port 60	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV	39° 150°
	STANDARD ZOOM DX	Nikon AF-S DX Micro NIKKOR 18-55mm f/3.5-5.6G VR II	19144 N1855VRII-Z	18211 Compact Port Base		18304 Compact Port 15 with M67 Thread	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV Zoom Range	40-29° 150-109° 40-55mm
N120 CANON EF-MOUNT	MACRO FULL FRAME	Canon EF 40mm f2.8 STM <i>* This setup can only be used on APS-C sensor camera</i>				18706 Macro Port 12	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	On APS-C Sensor Lens FOV Converted FOV	37° 135°
	STANDARD ZOOM FULL FRAME	Canon EF 28-80mm f/3.5-5.6 II	19558 C2880f3.5II-Z		22120 N120 Extension Ring 20 II	18705 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV Zoom Range	36-30° 135-113° 66-80mm
	STANDARD ZOOM FULL FRAME	Canon EF 28-80mm f/3.5-5.6 V USM	19559 C2880f3.5V-Z		22120 N120 Extension Ring 20 II	18705 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV Zoom Range	37.5-30° 138-93° 63-80mm
N120 CANON RF-MOUNT	WIDE ANGLE FULL FRAME	Canon RF 35mm f/1.8 IS Macro STM <i>* This setup is only recommended to use for blackwater with slight vignetting on 1.6x (crop) for still photography and with movie cropping option enabled</i>		21110 Extension Ring 10 with Screws		18706 Macro Port 12 <i>* This setup is only compatible with 18706 before SN:A524910</i>	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV	42° 157.5°
N100 NIKON Z-MOUNT	MACRO APS-C	NIKKOR Z MC 50mm f/2.8 Macro		37401 N100 Extension Ring 30		37601 N100 Flat Port 29	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV	31.5° 119°
	MACRO APS-C					37124 Flat port 66 with M77 Thread	83251 M77 to Bayonet Mount Converter II	86201 MWL - 1	Lens FOV Converted FOV	31.5° 119°
N100 FUJIFILM X-MOUNT	MACRO APS-C	Zeiss Touit 50mm f/2.8M		37401 N100 Extension Ring 30		37127 N100 Flat Port 32	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV	31° 100°
	MACRO APS-C			36471 N100 to N85 Port Adaptor		36135 N85 Flat Port 45				



## MACRO TO WIDE ANGLE LENS 1 MWL-1

### FOR FULL FRAME 60MM EQUIVALENT MACRO LENS TO 150° ULTRA WIDE WET-MOUNTED

		CAMERA LENS / CAMERA HOUSING	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
N100 FUJIFILM	STANDARD ZOOM APSC	Fujifilm XC 15-45mm f/3.5-5.6 OIS PZ	36476 X1545PZ-Z			36478 N100 Flat Port 40	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV Zoom Range	39-35° 150-114° 40-45mm
	MACRO FULL FRAME	Sony SEL50M18 FE 50mm f/1.8 <i>* These setups are only recommended to use with Crop/APS-C format enabled</i>				37123 N100 Macro Port 55	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV	31° 116°
N100 SONY E-MOUNT	STANDARD ZOOM FULL FRAME	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS	37141 SE2870-Z			37124 Flat port 66 with M77 Thread	83251 M77 to Bayonet Mount Converter II	86201 MWL - 1	Lens FOV Converted FOV Zoom Range	39-34° 150-110° 60-70mm
	MACRO FULL FRAME									
N85 MICRO FOUR THIRDS	MACRO FOUR THIRDS	Olympus M.Zuiko Digital ED 30mm f3.5 Macro				36135 N85 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV	39° 150°
	MACRO FOUR THIRDS	Panasonic Lumix G Macro 30mm f/2.8 Asph. Mega O.I.S.				36135 N85 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV	39° 150°
	STANDARD ZOOM FOUR THIRDS	Olympus M.Zuiko Digital ED 12-50mm f/3.5-6.3 EZ	36147 O1250-Z <i>* 36059 O1250-Z for NA-GH5 &amp; NA-EM1X</i>			36161 N85 Macro Port with M77 Thread	83251 M77 to Bayonet Mount Converter II	86201 MWL - 1	Lens FOV Converted FOV Zoom Range	39-34° 150-71° 30-50mm
N85 SONY E-MOUNT	MACRO APSC	ZEISS Touit 50mm f/2.8M Macro			36630 N85 Extension Ring 30	36135 N85 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV	31° 116°
	STANDARD ZOOM APSC	Sony Vario-Tessar T* E 16-70mm f/4 ZA OSS	36174 SE1670-Z		<sup>1</sup> 36207 N85 to N120 50mm Port Adaptor II with Knob	18705 Macro Port 45	83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV Zoom Range	83-23° 100-82° 50-60mm
COMPACT & N50	SONY	Sony Cyber-shot DSC-RX100 Mark V ( 17418/17418P NA-RX100V / Pro Package )  <i>* 24-70mm (35mm equivalent)</i>  <i>* Port is inexchangeable for this housing</i>					83250 M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	86201 MWL - 1	Lens FOV Converted FOV Working Distance	37-34° 138-128° 65-70mm



## MACRO TO WIDE ANGLE LENS 1 MWL-1

FOR FULL FRAME 60MM EQUIVAMENT MACRO LENS TO 150° ULTRA WIDE WET-MOUNTED

	CAMERA LENS / CAMERA HOUSING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
SONY	Sony Cyber-shot DSC-RX100 Mark VI ( 17421/17421P NA-RX100VI / Pro Package )  * 24-200mm (35mm equivalent)  <i>* Port is exchangable for this housing</i>	<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>		<b>86201</b> MWL - 1	Lens FOV 40-37° Converted FOV 150-138° Zoom Range 60-65mm
	Sony Cyber-shot DSC-RX100 Mark VII ( 17424/17424P NA-RX100VII / Pro Package )  * 24-200mm (35mm equivalent)  <i>* Port is exchangable for this housing</i>	<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>		<b>86201</b> MWL - 1	Lens FOV 37° Converted FOV 138° Zoom Range 65mm
CANON	Canon Powershot G7XMKII ( 17324 NA-G7XII )  * 24-120mm (35mm equivalent)  <i>* Port is exchangable for this housing</i>		<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1	Lens FOV 37-24° Converted FOV 138-90° Zoom Range 65-100mm
	Canon Powershot G7XMKIII		<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1	Lens FOV 37-24° Converted FOV 138-90° Zoom Range 65-100mm
		<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>		<b>86201</b> MWL - 1	Lens FOV 37-34° Converted FOV 138-128° Zoom Range 65mm
PANASONIC	Panasonic Lumix DC-LX10 (LX15) ( 17714 NA-LX10 )  * 24-72mm (35mm equivalent)  <i>* Port is inexchangeable for this housing</i>		<b>83250</b> M67 to Bayonet Mount Converter II <i>(included in all MWL-1 packaging)</i>	<b>86201</b> MWL - 1	Lens FOV 37-34° Converted FOV 138-128° Zoom Range 65-72mm

COMPACT &amp; N50

**86201****MACRO TO WIDE ANGLE LENS 1 MWL-1****Package includes :**

M67 to Bayonet Mount Converter II	#83250
Hard Lens Cap	#86235
Rear Lens Cap	#83221
Bayonet Mounting Ring for MWL-1	(pre-installed)
Cleaning Cloth	
Carrying Bag	

**Specification**

Dimension ( dia x length )	108 x 120 mm
Weight in Air	1.20 kg
Buoyancy in Water	- 0.58 kg
Body Construction	Hard-anodized aluminum alloy
Lens Construction	7 Elements in 5 Groups (inc. one aspherical element)
Lens Coating	Anti-reflection Coating on both sides
Lens Mount	Bayonet / M67
Depth Rating	100m
Focal Distance	From front element of lens to infinity
Field of View (Underwater)	150° (ref 60mm equiv.)

**Accessories**

M77 to Bayonet Mount Converter II	#83251
M67 Flip Holder for MWL-1	#86221
Double Flip Holder for MWL-1	#86222
Bayonet Mount Lens Holder II for Arms	#83252
Bayonet Mount Double Lens Holder II for Arms	#83253
Neoprene Cover for MWL-1	#86234



## 0.36X WIDE ANGLE CONVERSION PORT WACP-1 FOR FULL FRAME 28MM EQUIVAMENT LENS TO EXTREME SHARP 130°

		CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE					
<b>N120 CINEMA SYSTEM</b> (RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)	STANDARD ZOOM	Canon EF-S 18-55mm f/3.5-5.6 IS STM	<b>16330</b> RC1855STM Gear Set	<b>22125</b> N120 Extension Ring 25 II	<b>85201</b> N120 WACP - 1	On APS-C Sensor	Lens FOV 71-29° Converted FOV 123-50° Zoom Range 20-55mm				
	APSC					Sigma 18-35mm F1.8 DC HSM A	<b>16326</b> RSC1835f1.8 Gear Set	<b>22130 + 22135</b> N120 Extension Ring 30 II + 35 II	<b>* 85202</b> N120 WACP-1 for Sigma 18-35mm F1.8	On APS-C Sensor	Lens FOV 71-46° Converted FOV 123-79.5° Zoom Range 20-35mm
										On APS-C Sensor	Lens FOV 71-46° Converted FOV 123-79.5° Zoom Range 20-35mm
	STANDARD ZOOM	FULL FRAME	Canon EF 28-70mm f/3.5-4.5 II	<b>16334</b> RC2870II Gear Set	<b>22125</b> N120 Extension Ring 25 II	<b>85201</b> N120 WACP - 1	On APS-C Sensor On Full Frame Sensor	Lens FOV 52-22° Converted FOV 90-38°			
			Canon EF 28-80mm f/3.5-5.6 V USM	<b>16344</b> C2880VUSM Gear Set	<b>22130</b> N120 Extension Ring 30 II	<b>85201</b> N120 WACP - 1	On APS-C Sensor On Full Frame Sensor	Lens FOV 75-34° Converted FOV 130-59° 51-19° Converted FOV 88-33° 75-30° Converted FOV 130-52°			
	WIDE ANGLE	FULL FRAME	Canon RF 15-30mm f/4.5-6.3 IS STM	<b>16341</b> CR1535 Gear Set	<b>22120</b> N120 Extension Ring 20 II	<b>85201</b> N120 WACP - 1	On APS-C Sensor On Full Frame Sensor	Lens FOV 75-49° Converted FOV 130-85° Zoom Range 18-30mm 75-72° Converted FOV 130-125° Zoom Range 28-30mm			
			Canon EF 16-35mm f/2.8 III USM	<b>16325</b> RC1635III Gear Set	<b>22170</b> N120 Extension Ring 70 II	<b>85201</b> N120 WACP - 1	On APS-C Sensor On Full Frame Sensor	Lens FOV 71-45° Converted FOV 123-78° Zoom Range 20-35mm 75-63° Converted FOV 130-109° Zoom Range 28-35mm			
			Canon EF 16-35mm f/4L IS USM	<b>16317 + 16318</b> RC1635f4-Z + RC1635f4-F	<b>22160</b> N120 Extension Ring 60 II	<b>85201</b> N120 WACP - 1	On APS-C Sensor On Full Frame Sensor	Lens FOV 71-45° Converted FOV 123-78° Zoom Range 20-35mm 75-63° Converted FOV 130-109° Zoom Range 28-35mm			
	N120 NIKON F-MOUNT	STANDARD ZOOM	Nikon AF-S DX Micro NIKKOR 18-55mm f/3.5-5.6G VR II	<b>19144</b> N1855VRII-Z	<b>22135</b> N120 Extension Ring 35 II	<b>85201</b> N120 WACP - 1		Lens FOV 76-29° Converted FOV 130-50°			
		STANDARD ZOOM					FX	Nikon AF-S Nikkor 28mm f/1.8 G	<b>22120</b> N120 Extension Ring 20 II	<b>85201</b> N120 WACP - 1	Lens FOV 75° Converted FOV 130°
								Nikon AF Nikkor 28mm f/2.8D		<b>85201</b> N120 WACP - 1	Lens FOV 75° Converted FOV 130°
			Nikon AF Nikkor 28-70mm f/3.5-4.5D	<b>19148</b> N2870f3.5D-Z	<b>22135</b> N120 Extension Ring 35 II	<b>85201</b> N120 WACP - 1	Lens FOV 75-34° Converted FOV 130-59°				

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.

\* Recommended port system based on best optical performance





## 0.36X WIDE ANGLE CONVERSION PORT WACP-1

### FOR FULL FRAME 28MM EQUIVALENT LENS TO EXTREME SHARP 130°

	CAMERA LENS	GEAR	EXTENSION RING	PORT		OPTICAL PERFORMANCE	
N120 NIKON F-MOUNT WIDE ANGLE FX	Nikon AF-S NIKKOR 16-35mm f/4G ED VR	19138 N1635-Z	22170 N120 Extension Ring 70 II	85201 N120 WACP - 1	On DX Sensor	Lens FOV 75-45° Converted FOV 130-78° Zoom Range 18-35mm	
					On Full Frame Sensor	Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm	
	Nikon AF-S 17-35mm f/2.8D IF-ED	19130 N1735-Z	22150 N120 Extension Ring 50 II	85201 N120 WACP - 1	On DX Sensor	Lens FOV 75-45° Converted FOV 130-78° Zoom Range 18-35mm	
					On Full Frame Sensor	Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm	
					19130 + 19159 N1735-Z + N1735-F <i>* spacer is not required</i>	22150 + 22151 N120 Extension Ring 50 II + Focus Knob	85201 N120 WACP - 1
	Nikon AF-S 18-35mm f/3.5-4.5G ED	19141 N1835-Z	22140 N120 Extension Ring 40 II	85201 N120 WACP - 1	On DX Sensor	Lens FOV 77-45° Converted FOV 130-78°	
					On Full Frame Sensor	Lens FOV 75-63° Converted FOV 130-109°	
	N120 NIKON Z-MOUNT STANDARD ZOOM FULL FRAME	Nikkor Z 24-70mm f/4 S Lens	19154 NZ2470-Z	22120 N120 Extension Ring 20 II	85201 N120 WACP - 1		Lens FOV 75-70° Converted FOV 130-121° Zoom Range 28-32mm
		Nikkor Z 28-75mm f/2.8 Lens	19162 NZ2875-Z	22135 N120 Extension Ring 35 II	85201 N120 WACP - 1		Lens FOV 75-48° Converted FOV 130-83° Zoom Range 28-48mm
Nikkor Z 35mm f1.8 S				85201 N120 WACP - 1		Lens FOV 63° Converted FOV 110°	
N120 NIKON Z-MOUNT SONY E-MOUNT	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS with Techart PRO Autofocus Adaptor	19158 NE2870-Z	22120 N120 Extension Ring 20 II	85201 N120 WACP - 1		Lens FOV 75-34° Converted FOV 130-59°	
N120 CANON EF-MOUNT STANDARD ZOOM APSC	Canon EF-S 18-55mm f/3.5-5.6 IS STM	19547 C1855ISSTM-Z	22130 N120 Extension Ring 30 II	85201 N120 WACP - 1		Lens FOV 75-27.5° Converted FOV 130-46°	
	Sigma 18-35mm F1.8 DC HSM   A	19552 SC1835f.18-Z		* 85202 N120 WACP-1 for Sigma 18-35mm F1.8		Lens FOV 76.5-44° Converted FOV 132-76°	
			22130 + 22135 N120 Extension Ring 30 II + 35 II	85201 N120 WACP - 1		Lens FOV 76.5-44° Converted FOV 132-76°	
N120 CANON EF-MOUNT STANDARD ZOOM FULL FRAME	Canon EF 28mm f/1.8 USM			85201 N120 WACP - 1		Lens FOV 75° Converted FOV 130°	
	Canon EF 28mm f/2.8 USM			85201 N120 WACP - 1		Lens FOV 75° Converted FOV 130°	

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.

\* Recommended port system based on best optical performance



## 0.36X WIDE ANGLE CONVERSION PORT WACP-1

### FOR FULL FRAME 28MM EQUIVALENT LENS TO EXTREME SHARP 130°

		CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE		
N120 CANON EF-MOUNT	STANDARD ZOOM FULL FRAME	Canon EF 28-70mm f/3.5-4.5 II	<b>19557</b> C2870f3.5II-Z	<b>22125</b> N120 Extension Ring 25 II	* <b>85201</b> N120 WACP - 1		Lens FOV 72-34° Converted FOV 130-59°	
			<b>19557 + 19566</b> C2870f3.5II-Z + C2870f3.5II-F	<b>22130 + 22131</b> N120 Extension Ring 30 II + Focus Knob	<b>85201</b> N120 WACP - 1		Lens FOV 72-34° Converted FOV 125-59° Zoom Range 30-70mm	
		Canon EF 28-80mm f/3.5-5.6 II	<b>19558</b> C2880f3.5II-Z	<b>22130</b> N120 Extension Ring 30 II	<b>85201</b> N120 WACP - 1		Lens FOV 75-30° Converted FOV 130-54°	
		Canon EF 28-80mm f/3.5-5.6 V USM	<b>19559</b> C2880f3.5V-Z	<b>22130</b> N120 Extension Ring 30 II	<b>85201</b> N120 WACP - 1		Lens FOV 75-31° Converted FOV 130-54°	
		Canon EF 35mm f/2 IS USM			<b>85201</b> N120 WACP - 1		Lens FOV 63° Converted FOV 109°	
	WIDE ANGLE FULL FRAME		Canon EF 16-35mm f/2.8 III USM	<b>19554</b> C1635III-Z	<b>22170</b> N120 Extension Ring 70 II	<b>85201</b> N120 WACP - 1	On APS-C Sensor On Full Frame Sensor	Lens FOV 80-43° Converted FOV 138-74° Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm
			Canon EF 16-35mm f/4 IS USM	<b>19548</b> C1635f4-Z	<b>22160</b> N120 Extension Ring 60 II	<b>85201</b> N120 WACP - 1	On APS-C Sensor	Lens FOV 80-43° Converted FOV 138-74°
			Canon EF 17-40mm f/4L USM	<b>19528</b> C1740-Z	<b>22140</b> N120 Extension Ring 40 II	<b>85201</b> N120 WACP - 1	On APS-C Sensor On Full Frame Sensor	Lens FOV 77-37° Converted FOV 133-74° Lens FOV 75-57.5° Converted FOV 130-100° Zoom Range 28-40mm
	N120 CANON RF-MOUNT	WIDE ANGLE FULL FRAME	Canon RF 15-30mm f/4.5-6.3 IS STM	<b>19597</b> CR1530-Z	<b>22120</b> N120 Extension Ring 20 II	<b>85201</b> N120 WACP - 1	On APS-C Sensor On Full Frame Sensor	Lens FOV 75-49° Converted FOV 130-85° Zoom Range 18-30mm Lens FOV 75-72° Converted FOV 130-125° Zoom Range 28-30mm
		STANDARD ZOOM FULL FRAME	Panasonic Lumix S 24-105mm f/4	<b>19721</b> PS24105-Z	<b>22135</b> N120 Extension Ring 35 II	<b>85201</b> N120 WACP - 1		Lens FOV 75-65° Converted FOV 130-112° Zoom Range 28-33mm
N120 PANASONIC L-MOUNT	CANON EF-MOUNT	Canon EF 28-70mm f/3.5-4.5 II with Sigma Mount Converter MC-21	<b>19725</b> Gear Set for Canon 2870 with MC-21	<b>22130 + 22131</b> N120 Extension Ring 30 II + Focus Knob	<b>85201</b> N120 WACP - 1		Lens FOV 72-34° Converted FOV 128-59° Zoom Range 30-70mm	
			<b>19557</b> C2870f3.5II-Z	<b>22125</b> N120 Extension Ring 25 II	* <b>85201</b> N120 WACP - 1		Lens FOV 75-34° Converted FOV 130-59° Zoom Range 28-70mm	

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.

\* Recommended port system based on best optical performance



## 0.36X WIDE ANGLE CONVERSION PORT WACP-1 FOR FULL FRAME 28MM EQUIVALENT LENS TO EXTREME SHARP 130°

		CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
N120 FUJIFILM G-MOUNT	STANDARD ZOOM MEDIUM FORMAT	Fujifilm GF 35-70mm f/4.5-5.6 WR			<b>22140</b> N120 Extension Ring 40 II	* <b>85201</b> N120 WACP - 1	Lens FOV Converted FOV  76-42.7° 131.5-74°  <i>* Minimum focus distance from port to subject is 0.20m at 35mm and 0.10m at 70mm</i>
	WIDE ANGLE MEDIUM FORMAT	Fujifilm GF 45mm f/2.8 R WR			<b>22130</b> N120 Extension Ring 30 II	<b>85201</b> N120 WACP - 1	Lens FOV Converted FOV  63° 109°
	CANON EF-MOUNT	Canon EF 28-70mm f/3.5-4.5 II with Metabones EF-GFX mount Smart Expander 1.26x	<b>TBD</b> CGF2870f3.5II-Z		<b>22150</b> N120 Extension Ring 50 II	<b>85201</b> N120 WACP - 1	Lens FOV Converted FOV  75-34° 130-59°
N100 FUJIFILM X-MOUNT	STANDARD ZOOM APS-C	Fujifilm XF 18-55mm f/2.8-4 R LM OIS	<b>36474</b> X1855-Z3		<b>37401</b> N100 Extension Ring 30	<b>85203</b> N100 WACP-1	Lens FOV Converted FOV Zoom Range  75-52° 130-90° 18-30mm
N100 SONY E-MOUNT	WIDE ANGLE FULL FRAME	Sony FE PZ 16-35mm f/4 G	<b>37172</b> SFE1635-Z	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>21110</b> N120 Extension Ring 10	<b>85201</b> N120 WACP - 1	Lens FOV Converted FOV Zoom Range  75-63° 130-109° 28-35mm  <i>* This setup is only compatible with WACP-1 before SN: A502435</i>
					<b>22110</b> N120 Extension Ring 10 II	<b>85201</b> N120 WACP - 1	Lens FOV Converted FOV Zoom Range  75-63° 130-109° 28-35mm  <i>* This setup is only compatible with WACP-1 SN: A502435 onwards</i>
N100 SONY E-MOUNT	STANDARD ZOOM FULL FRAME	Sony SEL2860 FE 28-60mm F4-5.6	<b>37163</b> SFE2860-Z	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>37401</b> N100 Extension Ring 30	* <b>85203</b> N100 WACP-1	Lens FOV Converted FOV  75-40° 130-69°
					<b>37163 + 37168</b> SFE2860-Z + SFE2860-F (WACP-1)	<b>85201</b> N120 WACP - 1	Lens FOV Converted FOV  75-39° 130-68°
		Sony SEL2870 FE 28-70mm F3.5-5.6 OSS	<b>37141</b> SE2870-Z	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>37403</b> N100 Extension Ring 50	* <b>85203</b> N100 WACP-1	Lens FOV Converted FOV  75-34° 130-59°
					<b>37141 + 37167</b> SE2870-Z + SE2870-F	<b>22120</b> N120 Extension Ring 20 II	<b>85201</b> N120 WACP - 1
Sigma 24-70mm f/2.8 DG DN Art	<b>37171</b> SSF2470-Z	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22140</b> N120 Extension Ring 40 II	<b>85201</b> N120 WACP - 1	Lens FOV Converted FOV Zoom Range  73° 127° 29mm		
			<b>22135</b> N120 Extension Ring 35 II	<b>85201</b> N120 WACP - 1	Lens FOV Converted FOV Zoom Range  75-52° 130-90° 28-45mm		
Tamron 28-75mm f/2.8 Di III RXD	<b>37159</b> STE2875-Z	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II					
			<b>37159 + 37160</b> STE2875-Z + STE2875-F				

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.

\* Recommended port system based on best optical performance



## 0.36X WIDE ANGLE CONVERSION PORT WACP-1 FOR FULL FRAME 28MM EQUIVALENT LENS TO EXTREME SHARP 130°

	CAMERA LENS	GEAR	PORT ADAPTOR	PORT	OPTICAL PERFORMANCE
<b>N85 MICRO FOUR THIRDS</b> <b>STANDARD ZOOM</b> FOUR THIRDS	Olympus M.ZUIKO DIGITAL ED 12-40mm f/2.8 PRO	36045 01240-Z	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	* 85201 N120 WACP - 1	Lens FOV 75-45° Converted FOV 130-68° Zoom Range 14-26mm
		36045 + 36065 01240-Z + 01240-F	36401 N85 to N120 55mm Port Adaptor with Lens Control Knob <i>* SN393297 onwards for NA-EM1X</i>	85201 N120 WACP - 1	Lens FOV 75-38° Converted FOV 130-57° Zoom Range 14-32mm
	Olympus M.ZUIKO DIGITAL ED 12-45mm f/4 PRO	36069 01245-Z	36064 N85 to N120 34.7mm Port Adaptor	85201 N120 WACP - 1 <i>* this setup is not compatible with NA-EM1X</i>	Lens FOV 75-45° Converted FOV 130-58° Zoom Range 14-29mm
	Panasonic LUMIX G X Vario 12-35mm F2.8 I/ II ASPH. POWER O.I.S.	36148 P1235-Z	36064 N85 to N120 34.7mm Port Adaptor	* 85201 N120 WACP - 1 <i>* this setup is not compatible with NA-EM1X</i>	Lens FOV 75-52° Converted FOV 130-90° Zoom Range 14-22mm
		36148 + 36042 P1235-Z + P1235-F	36052 N85 to N120 47mm Port Adaptor with Zoom Knob <i>* SN297188 onwards for NA-EM1X</i>	85201 N120 WACP - 1	Lens FOV 75-40° Converted FOV 130-69° Zoom Range 14-30mm

### 85201 0.36X WIDE ANGLE CONVERSION PORT WACP-1

#### Package includes :

Hard Lens Cap  
Rear Port Cap  
N120 to N100 35mm Port Adaptor (pre-installed)  
Aluminium Float Collar (pre-installed)  
Spare O-ring 90140  
Lubricant  
Cleaning Cloth  
Carrying Bag

### 85202 0.36X WIDE ANGLE CONVERSION PORT WACP-1 FOR SIGMA 18-35mm F1.8

#### Package includes :

Hard Lens Cap  
Rear Port Cap  
N120 to N100 35mm Port Adaptor (pre-installed)  
Extension Ring 65mm with Lock (pre-installed)  
Aluminium Float Collar (pre-installed)  
Spare O-ring 90140  
Lubricant  
Carrying Bag

#### Specification (85201)

Dimension ( dia x length ) 194 x 176 mm  
Weight in Air 3.90 kg  
Buoyancy in Water - 0.32 kg  
Body Construction Hard-anodized aluminum alloy  
Lens Construction 6 Elements in 5 Groups  
Lens Coating Anti-reflection Coating on both sides  
Lens Mount N120 Port Mount  
Depth Rating 100m  
  
Focal Distance From front element of lens to infinity  
Field of View (UW) 130° (ref 28mm equiv.)

### 85203 N100 0.36X WIDE ANGLE CONVERSION PORT WACP-1

#### Package includes :

Hard Lens Cap  
Rear Port Cap  
N100 Extension Ring 35mm (pre-installed)  
Aluminium Float Collar (pre-installed)  
Spare O-ring 90140  
Lubricant  
Carrying Bag



## 0.57X WIDE ANGLE CONVERSION PORT 2 WACP-2 FOR FULL FRAME 14MM EQUIVAMENT LENS TO 140° FULL ZOOM-THROUGH

	CAMERA LENS	GEAR	EXTENSION RING	PORT		OPTICAL PERFORMANCE	
WIDE ANGLE APSC	Canon EF-S 10-18mm f/4.5-5.6 IS STM	<b>16340</b> RC1018 Gear Set		<b>85204</b> N120 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	<b>16303 + 16304</b> RC1022-Z + RC1022-F	<b>21110</b> N120 Extension Ring 10	<b>85204</b> N120 WACP - 2	On APS-C Sensor	Lens FOV 108-63° Converted FOV 128-72°	
			<b>22110</b> N120 Extension Ring 10 II	<b>85204</b> N120 WACP - 2	On APS-C Sensor	Lens FOV 108-63° Converted FOV 128-72°	
	Tokina AT-X 11-20mm F2.8 PRO DX	<b>16328</b> RTC1120 Gear Set	<b>22120</b> N120 Extension Ring 20 II	<b>85204</b> N120 WACP - 2	On APS-C Sensor	Lens FOV 100-68° Converted FOV 118-78°	
	Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	<b>16309 + 16310</b> RSC1116-Z + RSC1116-F	<b>21110</b> N120 Extension Ring 10	<b>85204</b> N120 WACP - 2	On APS-C Sensor	Lens FOV 110-81° Converted FOV 118-92°	
			<b>22110</b> N120 Extension Ring 10 II	<b>85204</b> N120 WACP - 2	On APS-C Sensor	Lens FOV 110-81° Converted FOV 118-92°	
	WIDE ANGLE FULL FRAME (RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)	Canon RF 14-35mm f/4L IS USM	<b>16342</b> CR1435	<b>21110</b> N120 Extension Ring 10	<b>85204</b> N120 WACP - 2	On APS-C Sensor	Lens FOV 89-42° Converted FOV 104-48°
				<b>22110</b> N120 Extension Ring 10 II	<b>85204</b> N120 WACP - 2	On Full Frame Sensor	Lens FOV 114-63° Converted FOV 140-72°
Canon RF 15-30mm f/4.5-6.3 IS STM		<b>16345</b> CR1530 Gear Set		<b>85204</b> N120 WACP - 2	On APS-C Sensor	Lens FOV 84-49° Converted FOV 101-59°	
				<b>85204</b> N120 WACP - 2	On Full Frame Sensor	Lens FOV 110-71° Converted FOV 133-81°	
Canon RF 15-35mm f/2.8L IS USM		<b>16341</b> CR1535 Gear Set	<b>22135</b> N120 Extension Ring 35 II	<b>85204</b> N120 WACP - 2	On APS-C Sensor	Lens FOV 84-42° Converted FOV 98-48°	
Canon EF 16-35mm f/2.8 II USM		<b>16311 + 16312</b> RC1635II-Z + RC1635II-F		<b>85204</b> N120 WACP - 2	On APS-C Sensor	Lens FOV 84-44° Converted FOV 98-51°	
				<b>85204</b> N120 WACP - 2	On Full Frame Sensor	Lens FOV 107-63° Converted FOV 128-72°	
Canon EF 16-35mm f/2.8 III USM		<b>16325</b> RC1635III Gear Set		<b>85204</b> N120 WACP - 2	On APS-C Sensor	Lens FOV 84-44° Converted FOV 98-51°	
				<b>85204</b> N120 WACP - 2	On Full Frame Sensor	Lens FOV 107-63° Converted FOV 128-72°	
Canon EF 16-35mm f/4L IS USM		<b>16317 + 16318</b> RC1635f4-Z + RC1635f4-F		<b>85204</b> N120 WACP - 2	On APS-C Sensor	Lens FOV 84-44° Converted FOV 98-51°	
				<b>85204</b> N120 WACP - 2	On Full Frame Sensor	Lens FOV 107-63° Converted FOV 128-72°	
Canon RF 28-70mm f2L USM		<b>16343</b> RC2870f2 Gear Set	<b>22140</b> N120 Extension Ring 40 II	<b>85204</b> N120 WACP - 2	On Full Frame Sensor	Lens FOV 75-63° Converted FOV 85-72° Zoom Range 28-35mm	

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.

\* Recommended port system based on best optical performance



## 0.57X WIDE ANGLE CONVERSION PORT 2 WACP-2 FOR FULL FRAME 14MM EQUIVARIANT LENS TO 140° FULL ZOOM-THROUGH

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
N120 NIKON F-MOUNT	Nikon AF-S NIKKOR 16-35mm f/4G ED VR	19138 N1635-Z	22150 N120 Extension Ring 50 II	* 85204 N120 WACP - 2	Lens FOV 105-63° Converted FOV 128-72°
		19138 + 19142 N1635-Z + N1635-F	22140 + 22131 N120 Extension Ring 40 II + Focus Knob	85204 N120 WACP - 2	Lens FOV 105-63° Converted FOV 128-72°
	Nikon AF-S 17-35mm f/2.8D IF-ED	19130 N1735-Z	22130 N120 Extension Ring 30 II	85204 N120 WACP - 2	Lens FOV 104-63° Converted FOV 123-72°
		19130 + 19159 N1735-Z + N1735-F <i>* a spacer is required for this setup (incl. in package)</i>	22135 + 22151 N120 Extension Ring 35 II + Focus Knob	* 85204 N120 WACP - 2	Lens FOV 104-63° Converted FOV 123-72°
N120 NIKON Z-MOUNT	Nikkor Z 24-70mm f/2.8 S Lens	19157 NZ2470f2.8S-Z	22125 N120 Extension Ring 25 II	85204 N120 WACP - 2	Lens FOV 84-46° Converted FOV 98-56° Zoom Range 24-50mm
	Nikkor Z 14-24mm f/2.8 S	19160 NZ1424-Z	21110 N120 Extension Ring 10	85204 N120 WACP - 2	Lens FOV 114-87° Converted FOV 140-98° <i>* This setup is only compatible with WACP-2 SN:A526311 before</i>
			22110 N120 Extension Ring 10 II	85204 N120 WACP - 2	Lens FOV 114-87° Converted FOV 140-98° <i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>
Nikkor Z 14-30mm f/4 S	19156 NZ1430-Z		85204 N120 WACP - 2	Lens FOV 114-72° Converted FOV 140-81°	
N120 CANON EF-MOUNT	Canon EF-S 10-18mm f/4.5-5.6 IS STM	19549 C1018-Z		85204 N120 WACP - 2	Lens FOV 108-75° Converted FOV 128-85°
	Canon EF-S 10-22mm f/3.5-4.5 IS STM	19525 C1022-Z	21110 N120 Extension Ring 10	85204 N120 WACP - 2	Lens FOV 108-63° Converted FOV 128-72° <i>* This setup is only compatible with WACP-2 SN:A526311 before</i>
			22110 N120 Extension Ring 10 II	85204 N120 WACP - 2	Lens FOV 108-63° Converted FOV 128-72° <i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>
	Tokina AT-X 11-20mm F2.8 PRO DX	19573 CT1120-Z	22120 N120 Extension Ring 20 II	85204 N120 WACP - 2	Lens FOV 104-72° Converted FOV 123-81°
Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	19530 TC1116-Z	21110 N120 Extension Ring 10	85204 N120 WACP - 2	Lens FOV 110-81° Converted FOV 133-92° <i>* This setup is only compatible with WACP-2 SN:A526311 before</i>	
		22110 N120 Extension Ring 10 II	85204 N120 WACP - 2	Lens FOV 110-81° Converted FOV 133-92° <i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>	

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.

\* Recommended port system based on best optical performance





## 0.57X WIDE ANGLE CONVERSION PORT 2 WACP-2 FOR FULL FRAME 14MM EQUIVALENT LENS TO 140° FULL ZOOM-THROUGH

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
<b>N120 CANON EF-MOUNT</b> WIDE ANGLE FULL FRAME	Canon EF 16-35mm f/2.8 II USM	<b>19527</b> C1635II-Z	<b>22130</b> N120 Extension Ring 30 II	* <b>85204</b> N120 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°
		<b>19527 + 19542</b> C1635II-Z + C1635II-F	<b>22130 + 22131</b> N120 Extension Ring 30 II + Focus Knob	<b>85204</b> N120 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°
	Canon EF 16-35mm f/2.8 III USM	<b>19554</b> C1635III-Z	<b>22150</b> N120 Extension Ring 50 II	* <b>85204</b> N120 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°
		<b>19554 + 19555</b> C1635III-Z + C1635III-F	<b>22150 + 22151</b> N120 Extension Ring 50 II + Focus Knob	<b>85204</b> N120 WACP - 2	Lens FOV 107-63° Converted FOV 128-72°
	Canon EF 16-35mm f/4 IS USM	<b>19548</b> C1635f4-Z	<b>22130</b> N120 Extension Ring 30 II	* <b>85204</b> N120 WACP - 2	Lens FOV 108-63° Converted FOV 128-72°
		<b>19548 + 19572</b> C1635f4-Z + WC1635f4-F	<b>22135 + 22151</b> N120 Extension Ring 35 II + Focus Knob	<b>85204</b> N120 WACP - 2	Lens FOV 108-63° Converted FOV 128-72°
<b>N120 CANON RF-MOUNT</b> WIDE ANGLE FULL FRAME	Canon RF 14-35mm f/4L IS USM	<b>19574</b> CR1435-Z	<b>21110</b> N120 Extension Ring 10	<b>85204</b> N120 WACP - 2	Lens FOV 114-63° Converted FOV 140-72° <i>* This setup is only compatible with WACP-2 SN:A526311 before</i>
			<b>21110</b> N120 Extension Ring 10 II	<b>85204</b> N120 WACP - 2	Lens FOV 114-63° Converted FOV 140-72° <i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>
	Canon RF 15-30mm f/4.5-6.3 IS STM	<b>19597</b> CR1530-Z		<b>85204</b> N120 WACP - 2	Lens FOV 110-71° Converted FOV 133-81°
	Canon RF 15-35mm f/2.8L IS USM	<b>19569</b> CR1535-Z	<b>22135</b> N120 Extension Ring 35 II	<b>85204</b> N120 WACP - 2	Lens FOV 110-63° Converted FOV 133-72°
		<b>19569 + 19571</b> CR1535-Z + WCR1535-F	<b>22135 + 22151</b> N120 Extension Ring 35 II + Focus Knob	* <b>85204</b> N120 WACP - 2	Lens FOV 110-63° Converted FOV 133-72°
	Canon RF 28-70mm f2L USM	<b>19595</b> CR2870-Z	<b>22140</b> N120 Extension Ring 40 II	<b>85204</b> N120 WACP - 2	Lens FOV 75-63° Converted FOV 85-72° Zoom Range 28-35mm <i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>
<b>N120 PANASONIC</b> WIDE ANGLE FULL FRAME	Panasonic Lumix S PRO 16-35mm f/4	<b>19728</b> PL1635-Z		<b>85204</b> N120 WACP - 2	Lens FOV 105-63° Converted FOV 128-72°
	Sigma 14-24mm F2.8 DG DN Art	<b>19726</b> SLE1424-Z	<b>22125</b> N120 Extension Ring 25 II	<b>85204</b> N120 WACP - 2	Lens FOV 94-84° Converted FOV 115-98° Zoom Range 20-24mm
<b>N120 FUJIFILM</b> MACRO MEDIUM FORMAT	Laowa 17mm f/4 GFX Zero-D	<b>19824 + 19825</b> GL17-A + GL17-F	<b>22135 + 22151</b> N120 Extension Ring 35 II + Focus Knob	<b>85204</b> N120 WACP - 2	Lens FOV 114° Converted FOV 140°

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.

\* Recommended port system based on best optical performance





## 0.57X WIDE ANGLE CONVERSION PORT 2 WACP-2 FOR FULL FRAME 14MM EQUIVAMENT LENS TO 140° FULL ZOOM-THROUGH

		CAMERA LENS	GEAR	PORT ADAPTOR	EXTENSION RING	PORT	OPTICAL PERFORMANCE	
N120 FUJIFILM G-MOUNT	WIDE ANGLE MEDIUM FORMAT	Fujifilm GF 23mm F4 R LM WR			<b>22120</b> N120 Extension Ring 20 II	<b>85204</b> N120 WACP - 2	Lens FOV	100°
		Canon EF 16-35mm f/2.8 III USM	<b>TBD</b> CGF1635III-Z		<b>22180</b> N120 Extension Ring 80 II	<b>85204</b> N120 WACP - 2	Lens FOV	107-63°
		Canon EF 16-35mm f/4 IS USM	<b>TBD</b> CGF1635f4-Z		<b>22160</b> N120 Extension Ring 60 II	<b>85204</b> N120 WACP - 2	Converted FOV	128-72°
STANDARD ZOOM FULL FRAME		Sony SEL2470GM FE 24-70mm F2.8 GM	<b>37151</b> SFE2470GM-Z	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22130</b> N120 Extension Ring 30 II	<b>85204</b> N120 WACP - 2	Lens FOV	84-34°
			<b>37151 + 37152</b> SFE2470GM-Z + SFE2470GM-F				Converted FOV	98-72°
							Zoom Range	24-35mm
		Sony SEL2470Z Vario-Tessar T* FE 24-70mm F4 ZA OSS	<b>37149</b> SE2470-Z	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II		<b>85204</b> N120 WACP - 2	Lens FOV	84-34°
			<b>37149 + 37148</b> SE2470-Z + SE2470-F				Converted FOV	98-72°
							Zoom Range	24-35mm
		Sigma 24-70mm f/2.8 DG DN Art	<b>37171</b> SSF2470-Z	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22120</b> N120 Extension Ring 20 II	<b>85204</b> N120 WACP - 2	Lens FOV	84-64°
							Converted FOV	98-74°
							Zoom Range	24-34mm
N100 SONY E-MOUNT	WIDE ANGLE FULL FRAME	Sony FE 14mm f/1.8 GM			<b>37306</b> N100 to N120 25mm Port Adaptor	<b>85204</b> N120 WACP - 2	Lens FOV	114°
							Converted FOV	140°
		Sony SEL1635GM FE 16-35mm F2.8 GM	<b>37155</b> SFE1635GM-Z	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22130</b> N120 Extension Ring 30 II	<b>85204</b> N120 WACP - 2	Lens FOV	107-63°
			<b>37155 + 37156</b> SFE1635GM-Z + SFE1635GM-F				Converted FOV	128-77°
		Sony SEL1635Z Vario-Tessar T* FE 16-35mm F4 ZA OSS	<b>37145 + 37146</b> SE1635-Z + SE1635-F	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>21110</b> N120 Extension Ring 10	<b>85204</b> N120 WACP - 2	Lens FOV	107-63°
					<b>22110</b> N120 Extension Ring 10 II	<b>85204</b> N120 WACP - 2	Converted FOV	128-77°
					<i>* This setup is only compatible with WACP-2 before SN:A526311</i>			
		Sony FE 24mm f/1.4 GM		<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II		<b>85204</b> N120 WACP - 2	Lens FOV	84°
							Converted FOV	98°
		Sigma 14-24mm F2.8 DG DN	<b>19726</b> SLE1424-Z	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II	<b>22125</b> N120 Extension Ring 25 II	<b>85204</b> N120 WACP - 2	Lens FOV	94-84°
							Converted FOV	115-98°
							Zoom Range	20-24mm
		Tamron 17-28mm f/2.8 Di III RXD	<b>37157</b> STE1728-Z	<sup>1</sup> <b>37305</b> N100 to N120 35.5mm Port Adaptor II		<b>85204</b> N120 WACP - 2	Lens FOV	104-75°
			<b>37157 + 37158</b> STE1728-Z + STE1728-F				Converted FOV	123-89°

1. # 37305 can be used on all Sony A series housings. #37303 can also be used on NA-A7RII, NA-A7RIII and NA-A9 housings.

\* Recommended port system based on best optical performance

**85204****0.57X WIDE ANGLE CONVERSION PORT WACP-2****Package includes :**

Hard Lens Cap  
Rear Port Cap  
Spare O-ring 90140  
Lubricant  
Cleaning Cloth  
Carrying Bag

**Specification**

Dimension ( dia x length )	267 x 220 mm
Weight in Air	7.35 kg
Buoyancy in Water	0.27 kg
Body Construction	Hard-anodized aluminum alloy
Lens Construction	4 Elements in 4 Groups
Lens Coating	Anti-reflection Coating on both sides
Lens Mount	N120 Port Mount
Depth Rating	100m
Focal Distance	From front element of lens to infinity
Field of View (Underwater)	140° (ref 14mm equiv.)



## WIDE ANGLE CONVERSION PORT WACP-C FOR FULL FRAME 28MM EQUIVAMENT LENS TO EXTREME SHARP 130°

	CAMERA LENS	GEAR	EXTENSION RING/ PORT ADAPTOR	PORT		OPTICAL PERFORMANCE
<b>N120 CINEMA SYSTEM</b> (RED, CANON, PANASONIC, Z-CAM, BLACKMAGIC)	<b>STANDARD ZOOM</b>				APS-C	
	Canon EF-S 18-55mm f/3.5-5.6 IS STM	<b>16330</b> RC1855STM Gear Set	<b>21325</b> N120 to N100 25mm Port Adaptor	<b>85205</b> N100 WACP - C		Lens FOV 71-29° Converted FOV 123-50° Zoom Range 20-55mm
	Sigma 18-35mm F1.8 DC HSM A	<b>16326</b> RSC1835F1.8 Gear Set	<b>22140 + 21325</b> N120 Extension Ring 40 II + N120 to N100 25mm Port Adaptor	<b>85205</b> N100 WACP - C		Lens FOV 71-46° Converted FOV 123-79.5° Zoom Range 20-35mm
	<b>STANDARD ZOOM</b>				FULL FRAME	
	Canon EF 28-80mm f/3.5-5.6 V USM	<b>16344</b> C2880VUSM Gear Set	<b>21325</b> N120 to N100 25mm Port Adaptor	<b>85205</b> N100 WACP - C	On APS-C Sensor	Lens FOV 51-23° Converted FOV 88-40°
	Canon EF 28-70mm f/3.5-4.5 II <i>* This lens is not supported by R5C camera in video mode</i>	<b>16334</b> RC2870II Gear Set	<b>21325</b> N120 to N100 25mm Port Adaptor	<b>85205</b> N100 WACP - C	On APS-C Sensor  On Full Frame Sensor	Lens FOV 52-22° Converted FOV 90-38°  Lens FOV 75-34° Converted FOV 130-54° Zoom Range 28-77mm
<i>* slight vignetting when focus distance from port to subject is less than 10cm at 28mm</i>						
<b>N120 NIKON F-MOUNT</b>	<b>WIDE ANGLE</b>				FULL FRAME	
	Canon RF 15-30mm f/4.5-6.3 IS STM	<b>19597</b> CR1530-Z	<b>21320</b> N120 to N100 20mm Port Adaptor	<b>85205</b> N100 WACP - C	On APS-C Sensor	Lens FOV 75-49° Converted FOV 130-85° Zoom Range 18-30mm
	<i>* slight vignetting when focus distance from port to subject is less than 10cm at 28mm</i>					
<b>N120 NIKON F-MOUNT</b>	<b>STANDARD ZOOM</b>				DX	
	Nikon AF-P DX NIKKOR 18-55mm f/3.5-5.6G	<b>19164</b> N1855AFP-Z	<b>21335</b> N120 to N100 35mm Port Adaptor	<b>85205</b> N100 WACP - C		Lens FOV 76-29° Converted FOV 130-50°
	Nikon AF-P DX NIKKOR 18-55mm f/3.5-5.6G VR	<b>19164</b> N1855AFP-Z	<b>21335</b> N120 to N100 35mm Port Adaptor	<b>85205</b> N100 WACP - C		Lens FOV 76-29° Converted FOV 130-50°
	Nikon AF-S DX Micro NIKKOR 18-55mm f/3.5-5.6G VR II	<b>19144</b> N1855VRII-Z	<b>21335</b> N120 to N100 35mm Port Adaptor	<b>85205</b> N100 WACP - C		Lens FOV 76-29° Converted FOV 130-50°
	<b>STANDARD ZOOM</b>				FX	
	Nikon AF-S Nikkor 28mm f/1.8 G		<b>21320</b> N120 to N100 20mm Port Adaptor	<b>85205</b> N100 WACP - C		Lens FOV 75° Converted FOV 130°
Nikon AF Nikkor 28-70mm f/3.5-4.5D	<b>19148</b> N2870f3.5D-Z	<b>21329</b> N120 to N100 29.3mm Port Adaptor	<b>85205</b> N100 WACP - C		Lens FOV 75-34° Converted FOV 130-59°  <i>* slight vignetting when focus distance from port to subject is less than 10cm at 28mm</i>	
<b>N120 NIKON Z-MOUNT</b>	<b>STANDARD ZOOM</b>				FX	
	Nikkor Z 24-70mm f/4 S Lens	<b>19154</b> NZ2470-Z	<b>21320</b> N120 to N100 20mm Port Adaptor	<b>85205</b> N100 WACP - C		Lens FOV 75-70° Converted FOV 130-121° Zoom Range 28-32mm
Sony SEL2870 FE 28-70mm F3.5-5.6 OSS with Megadap ETZ 21 Adaptor	<b>19158</b> NE2870-Z	<b>21315</b> N120 to N100 15mm Port Adaptor	<b>85205</b> N100 WACP - C		Lens FOV 75-34° Converted FOV 130-59°	



## WIDE ANGLE CONVERSION PORT WACP-C

### FOR FULL FRAME 28MM EQUIVAMENT LENS TO EXTREME SHARP 130°

	CAMERA LENS	GEAR	EXTENSION RING/ PORT ADAPTOR	PORT	OPTICAL PERFORMANCE
N120 CANON EF-MOUNT STANDARD ZOOM APSC	Canon EF-S 18-55mm f/3.5-5.6 IS STM	<b>19547</b> C1855ISSTM-Z	<b>21325</b> N120 to N100 25mm Port Adaptor	<b>85205</b> N100 WACP - C	Lens FOV 75-27.5° Converted FOV 130-46°
	Sigma 18-35mm F1.8 DC HSM   A	<b>19552</b> SC1835f.18-Z	<b>22140 + 21325</b> N120 Extension Ring 40 II + N120 to N100 25mm Port Adaptor	<b>85205</b> N100 WACP - C	Lens FOV 76.5-44° Converted FOV 132-76°
	Canon EF 28-80mm f/3.5-5.6 V USM	<b>19559</b> C2880f3.5V-Z	<b>21325</b> N120 to N100 25mm Port Adaptor	<b>85205</b> N100 WACP - C	Lens FOV 75-31° Converted FOV 130-54°
N120 CANON EF-MOUNT STANDARD ZOOM FULL FRAME	Canon EF 28-70mm f/3.5-4.5 II	<b>19557</b> C2870f3.5II-Z	<b>21325</b> N120 to N100 25mm Port Adaptor	<b>85205</b> N100 WACP - C	Lens FOV 72-34° Converted FOV 130-59° <i>* slight vignetting when focus distance from port to subject is less than 10cm at 28mm</i>
	Canon EF 28-80mm f/3.5-5.6 II	<b>19558</b> C2880f3.5II-Z	<b>21325</b> N120 to N100 25mm Port Adaptor	<b>85205</b> N100 WACP - C	Lens FOV 75-30° Converted FOV 130-54° <i>* slight vignetting when focus distance from port to subject is less than 10cm at 28mm</i>
	Canon RF 15-30mm f/4.5-6.3 IS STM	<b>19597</b> CR1530-Z	<b>21320</b> N120 to N100 20mm Port Adaptor	<b>85205</b> N100 WACP - C	On APS-C Sensor Lens FOV 75-49° Converted FOV 130-85° Zoom Range 18-30mm
N120 PANASONIC L-MOUNT STANDARD ZOOM FULL FRAME	Panasonic Lumix S 24-105mm f/4	<b>19721</b> PS24105-Z	<b>21335</b> N120 to N100 35mm Port Adaptor	<b>85205</b> N100 WACP - C	Lens FOV 75-63° Converted FOV 130-109° Zoom Range 28-35mm <i>* slight vignetting when focus distance from port to subject is less than 10cm at 28mm</i>
	Canon EF 28-70mm f/3.5-4.5 II with Sigma Mount Converter MC-21	<b>19557</b> C2870f3.5II-Z	<b>21325</b> N120 to N100 25mm Port Adaptor	<b>85205</b> N100 WACP - C	Lens FOV 72-34° Converted FOV 130-59°
N100 FUJIFILM X-MOUNT STANDARD ZOOM APSC	Fujifilm XF 18-55mm f/2.8-4 R LM OIS	<b>36474</b> X1855-Z3	<b>37401</b> N100 Extension Ring 30	<b>85205</b> N100 WACP - C	Lens FOV 75-52° Converted FOV 130-90° Zoom Range 18-30mm
N100 SONY E-MOUNT STANDARD ZOOM FULL FRAME	Sony SEL28F20 FE 28mm f/2	<b>37150</b> SE28-F	<b>37401</b> N100 Extension Ring 30	<b>85205</b> N100 WACP - C	Lens FOV 75° Converted FOV 130°
	Sony SEL2860 FE 28-60mm F4-5.6	<b>37163</b> SFE2860-Z	<b>37401</b> N100 Extension Ring 30	<b>85205</b> N100 WACP - C	Lens FOV 75-40° Converted FOV 130-69°
	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS	<b>37141</b> SE2870-Z	<b>37403</b> N100 Extension Ring 50	<b>85205</b> N100 WACP - C	Lens FOV 75-34° Converted FOV 130-59°



## WIDE ANGLE CONVERSION PORT WACP-C

FOR FULL FRAME 28MM EQUIVAMENT LENS TO EXTREME SHARP 130°

	CAMERA LENS	GEAR	EXTENSION RING	PORT	OPTICAL PERFORMANCE
<b>N100 CANON RF-MOUNT STANDARD ZOOM</b> <small>APS-C</small>	Canon RF-S 18-45mm f/4.5-6.3 IS STM	<b>19596</b> CRS1845-Z	<b>37402</b> N100 Extension Ring 40	<b>85205</b> N100 WACP - C	Lens FOV Converted FOV
					74-34° 128-59°

### 85205

#### N100 0.36x Wide Angle Conversion Port Compact (WACP-C)

##### Package includes :

WACP-C with integrated Float Collar  
 Hard Lens Cap  
 Rear Port Cap  
 Spare O-ring 90141  
 Lubricant  
 Cleaning Cloth  
 Carrying Bag

##### Specification :

Dimension(mm):	DIA 170 x L145
Weight in Air	2.24kg
Buoyancy in Water	negative 0.1kg
Body Construction	Hard-anodized aluminum alloy
Lens Construction	6 Elements in 5 Groups
Lens Coating	Anti-reflection Coating on both sides
Lens Mount	N100 Port Mount
Depth Rating	100m
Focal Distance	From front element of lens to infinity
Field of View (UW)	130° (ref 28mm equiv.)



## WET WIDE LENS WWL-1/1B

FOR FULL FRAME 28MM EQUIVALENT LENS TO 130° FULL ZOOM-THROUGH

	CAMERA LENS	GEAR	EXTENSION RING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE																							
<b>N100 FUJIFILM X-MOUNT</b>	<b>STANDARD ZOOM</b> APSC	Fujifilm XC 15-45mm f/3.5-5.6 OIS PZ	<b>36476</b> X1545PZ-Z	<b>36478</b> N100 Flat Port 40		<b>83250</b> M67 to Bayonet Mount Converter II	<table border="0"> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><sup>1</sup> <b>83201</b> WWL - 1</td> <td>Lens FOV</td> <td>75-35°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>130-60°</td> </tr> <tr> <td></td> <td></td> <td>Zoom Range</td> <td>18-45mm</td> </tr> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><b>83202</b> WWL - 1B</td> <td>Lens FOV</td> <td>75-35°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>130-60°</td> </tr> <tr> <td></td> <td></td> <td>Zoom Range</td> <td>18-45mm</td> </tr> </table>	}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	75-35°		Converted FOV	130-60°			Zoom Range	18-45mm	}	<b>83202</b> WWL - 1B	Lens FOV	75-35°		Converted FOV	130-60°			Zoom Range	18-45mm	
		}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	75-35°																									
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		Converted FOV	130-60°																											
		Zoom Range	18-45mm																											
<b>WIDE ANGLE</b> APSC	Fujifilm XF 18mm f/2 R			<b>36472</b> N100 Flat Port 13		<b>83250</b> M67 to Bayonet Mount Converter II	<table border="0"> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><sup>1</sup> <b>83201</b> WWL - 1</td> <td>Lens FOV</td> <td>76.5°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>132°</td> </tr> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><b>83202</b> WWL - 1B</td> <td>Lens FOV</td> <td>76.5°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>132°</td> </tr> </table>	}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	76.5°		Converted FOV	132°	}	<b>83202</b> WWL - 1B	Lens FOV	76.5°		Converted FOV	132°									
	}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	76.5°																										
		Converted FOV	132°																											
}	<b>83202</b> WWL - 1B	Lens FOV	76.5°																											
		Converted FOV	132°																											
	Fujifilm XF 23mm f/2 R			<b>37127</b> N100 Flat Port 32		<b>83250</b> M67 to Bayonet Mount Converter II	<table border="0"> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><sup>1</sup> <b>83201</b> WWL - 1</td> <td>Lens FOV</td> <td>63.4°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>110°</td> </tr> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><b>83202</b> WWL - 1B</td> <td>Lens FOV</td> <td>63.4°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>110°</td> </tr> </table>	}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	63.4°		Converted FOV	110°	}	<b>83202</b> WWL - 1B	Lens FOV	63.4°		Converted FOV	110°									
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		Converted FOV	110°																											
<b>N100 NIKON Z-MOUNT</b>	<b>STANDARD ZOOM</b> DX	NIKKOR Z DX 16-50mm f/3.5-6.3 VR	<b>37602</b> Z1650PZ-Z		<b>37601</b> N100 Flat Port 29		<b>83250</b> M67 to Bayonet Mount Converter II	<table border="0"> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><sup>1</sup> <b>83201</b> WWL - 1</td> <td>Lens FOV</td> <td>72-31.5°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>125-55°</td> </tr> <tr> <td></td> <td></td> <td>Zoom Range</td> <td>20-50mm</td> </tr> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><b>83202</b> WWL - 1B</td> <td>Lens FOV</td> <td>72-31.5°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>125-55°</td> </tr> <tr> <td></td> <td></td> <td>Zoom Range</td> <td>20-50mm</td> </tr> </table>	}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	72-31.5°		Converted FOV	125-55°			Zoom Range	20-50mm	}	<b>83202</b> WWL - 1B	Lens FOV	72-31.5°		Converted FOV	125-55°			Zoom Range	20-50mm
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		Converted FOV	125-55°																											
		Zoom Range	20-50mm																											
<b>N100 SONY E-MOUNT</b>	<b>STANDARD ZOOM</b> FULL FRAME	Sony SEL28F20 FE 28mm f/2	<b>37150</b> SE28-F		<b>37127</b> N100 Flat Port 32		<b>83250</b> M67 to Bayonet Mount Converter II	<table border="0"> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><sup>1</sup> <b>83201</b> WWL - 1</td> <td>Lens FOV</td> <td>75°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>130°</td> </tr> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><b>83202</b> WWL - 1B</td> <td>Lens FOV</td> <td>75°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>130°</td> </tr> </table>	}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	75°		Converted FOV	130°	}	<b>83202</b> WWL - 1B	Lens FOV	75°		Converted FOV	130°								
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				Converted FOV	130°																									
}	<b>83202</b> WWL - 1B	Lens FOV	75°																											
		Converted FOV	130°																											
	Sony SEL2860 FE 28-60mm F4-5.6	<b>37163 + 37164</b> SFE2860-Z + SFE2860-F		<b>37165</b> N100 Flat Port 45 with Focus Knob		<b>83250</b> M67 to Bayonet Mount Converter II	<table border="0"> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><sup>1</sup> <b>83201</b> WWL - 1</td> <td>Lens FOV</td> <td>75-40°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>130-69°</td> </tr> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><b>83202</b> WWL - 1B</td> <td>Lens FOV</td> <td>75-40°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>130-69°</td> </tr> </table>	}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	75-40°		Converted FOV	130-69°	}	<b>83202</b> WWL - 1B	Lens FOV	75-40°		Converted FOV	130-69°									
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	Sony SEL35F28Z Sonnar T* FE 35mm F2.8 ZA			<b>37130</b> N100 Flat port 23		<b>83250</b> M67 to Bayonet Mount Converter II	<table border="0"> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><sup>1</sup> <b>83201</b> WWL - 1</td> <td>Lens FOV</td> <td>62°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>109°</td> </tr> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><b>83202</b> WWL - 1B</td> <td>Lens FOV</td> <td>62°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>109°</td> </tr> </table>	}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	62°		Converted FOV	109°	}	<b>83202</b> WWL - 1B	Lens FOV	62°		Converted FOV	109°									
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}	<b>83202</b> WWL - 1B	Lens FOV	62°																											
		Converted FOV	109°																											
<b>N85 MICRO FOUR THIRDS</b>	<b>STANDARD ZOOM</b> FOUR THIRDS	Olympus M.Zuiko Digital 14-42mm f/3.5-6.3 II R	<b>36143</b> O1442-Z		<b>36136</b> N85 Macro Port 56		<b>83250</b> M67 to Bayonet Mount Converter II	<table border="0"> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><sup>1</sup> <b>83201</b> WWL - 1</td> <td>Lens FOV</td> <td>75-29°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>130-50°</td> </tr> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><b>83202</b> WWL - 1B</td> <td>Lens FOV</td> <td>75-29°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>130-50°</td> </tr> </table>	}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	75-29°		Converted FOV	130-50°	}	<b>83202</b> WWL - 1B	Lens FOV	75-29°		Converted FOV	130-50°								
		}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	75-29°																									
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}	<b>83202</b> WWL - 1B	Lens FOV	75-29°																											
		Converted FOV	130-50°																											
		<b>36143 + 36067</b> O1442-Z + O1442-F		<b>36166</b> N85 Macro Port 56 with Focus Knob		<b>83250</b> M67 to Bayonet Mount Converter II	<table border="0"> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><sup>1</sup> <b>83201</b> WWL - 1</td> <td>Lens FOV</td> <td>75-29°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>130-50°</td> </tr> <tr> <td></td> <td></td> <td>* zoom range for BMPCC II</td> <td>16-42mm</td> </tr> <tr> <td rowspan="2" style="font-size: 2em; vertical-align: middle;">}</td> <td><b>83202</b> WWL - 1B</td> <td>Lens FOV</td> <td>75-29°</td> </tr> <tr> <td></td> <td>Converted FOV</td> <td>130-50°</td> </tr> <tr> <td></td> <td></td> <td>* zoom range for BMPCC II</td> <td>16-42mm</td> </tr> </table>	}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	75-29°		Converted FOV	130-50°			* zoom range for BMPCC II	16-42mm	}	<b>83202</b> WWL - 1B	Lens FOV	75-29°		Converted FOV	130-50°			* zoom range for BMPCC II	16-42mm	
}	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV	75-29°																											
		Converted FOV	130-50°																											
		* zoom range for BMPCC II	16-42mm																											
}	<b>83202</b> WWL - 1B	Lens FOV	75-29°																											
		Converted FOV	130-50°																											
		* zoom range for BMPCC II	16-42mm																											

<sup>1</sup>. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.



## WET WIDE LENS WWL-1/1B

### FOR FULL FRAME 28MM EQUIVALENT LENS TO 130° FULL ZOOM-THROUGH

	CAMERA LENS / CAMERA HOUSING	GEAR	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
<b>N85 MICRO FOUR THIRDS</b>	<b>STANDARD ZOOM FOUR THIRDS</b>	Olympus M.Zuiko Digital 14-42mm f/3.5-5.6 EZ	<b>36047</b> O1442EZ-Z	<b>36165</b> N85 Power Zoom Macro Port 29	<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-29° Converted FOV 130-50°  Lens FOV 75-29° Converted FOV 130-50°
		Panasonic LUMIX G VARIO 12-32mm F3.5-5.6 ASPH. ASPH. MEGA O.I.S.	<b>36046</b> P1232-Z	<b>36165</b> N85 Power Zoom Macro Port 29	<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 13-32mm  Lens FOV 75-37° Converted FOV 130-64° Zoom Range 13-32mm
		Panasonic LUMIX G 14mm / F2.5 ASPH		<b>36151</b> N85 Pancake Port	<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75° Converted FOV 130°  Lens FOV 75° Converted FOV 130°
		Panasonic LUMIX G Vario 14-42mm F3.5-5.6 II ASPH. MEGA O.I.S.	<b>36057</b> P1442II-Z	<b>36139</b> N85 Flat Port 35	<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-29° Converted FOV 130-50°  Lens FOV 75-29° Converted FOV 130-50°
		Panasonic LUMIX G Vario PZ 14-42mm F3.5-5.6 ASPH. POWER O.I.S.	<b>36146</b> P1442X-PZ <i>* 36061 P1442X-PZ for NA-GH5</i>	<b>36165</b> N85 Power Zoom Macro Port 29	<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-29° Converted FOV 130-50°  Lens FOV 75-29° Converted FOV 130-50°
<b>N85 SONY E-MOUNT</b>	<b>STANDARD ZOOM APSC</b>	Sony E PZ 16-50mm f/3.5-5.6 OSS	<b>36172</b> SE1650-PZ	<b>36128</b> N85 Macro Port 45	<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 63-31° Converted FOV 110-54° Zoom Range 20-50mm  Lens FOV 63-31° Converted FOV 110-54° Zoom Range 20-50mm
		<b>WIDE ANGLE APSC</b>	Sigma 19mm f/2.8 DN Art		<b>36135</b> N85 Macro Port 45	<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B
<b>N85 CANON EF-M-MOUNT</b>	<b>STANDARD ZOOM APSC</b>	Canon EF-M 15-45mm f/3.5-6.3 IS STM	<b>36195</b> CM1545-Z	<b>36125</b> N85 Macro Port 45 with Knob	<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 74-33° Converted FOV 128-57° Zoom Range 18-45mm  Lens FOV 74-33° Converted FOV 128-57° Zoom Range 18-45mm
		Canon EF-M 22mm f/2 STM		<b>36126</b> E16 Mancake Port	<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 63° Converted FOV 109°  Lens FOV 63° Converted FOV 109°

<sup>1</sup>. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.





## WET WIDE LENS WWL-1/1B

### FOR FULL FRAME 28MM EQUIVAMENT LENS TO 130° FULL ZOOM-THROUGH

	CAMERA HOUSING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
SONY	Sony Cyber-shot DSC-RX100 Mark V ( 17418/17418P NA-RX100V / Pro Package )  * 24-70mm (35mm equivalent)		<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-34° Converted FOV 130-58° Zoom Range 28-70mm  Lens FOV 75-34° Converted FOV 130-58° Zoom Range 28-70mm
	Sony Cyber-shot DSC-RX100 Mark VI ( 17421/17421P NA-RX100VI / Pro Package )  * 24-200mm (35mm equivalent)		<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm  Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm
	Sony Cyber-shot DSC-RX100 Mark VII ( 17424/17424P NA-RX100VII / Pro Package )  * 24-200mm (35mm equivalent)		<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm  Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm
CANON	Canon Powershot G5XMKII ( 17331/17331P NA-G5XII / Pro Package )  * 24-120mm (35mm equivalent)		<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-46° Converted FOV 130-80° Zoom Range 28-50mm  Lens FOV 75-46° Converted FOV 130-80° Zoom Range 28-50mm
	Canon Powershot G7XMKII ( 17324 NA-G7XII )  * 24-100mm (35mm equivalent)		<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm  Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm
	Canon Powershot G7XMKIII ( 17330/17330P NA-G7XIII / Pro Package )  * 24-100mm (35mm equivalent)		<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm  Lens FOV 75-37° Converted FOV 130-64° Zoom Range 28-65mm
			<b>38704</b> N50 Short Port 22 with Bayonet Mount <i>* change port from housing</i>	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-46° Converted FOV 130-80° Zoom Range 28-50mm  Lens FOV 75-46° Converted FOV 130-80° Zoom Range 28-50mm
PANASONIC	Panasonic Lumix DC-LX100II ( 17717 NA-LX100II )  * 24-75mm (35mm equivalent)  <i>*Please refer to the following page for more setup options</i>		<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>	<sup>1</sup> <b>83201</b> WWL - 1  <b>83202</b> WWL - 1B	Lens FOV 75-57° Converted FOV 130-99° Zoom Range 28-40mm  Lens FOV 75-57° Converted FOV 130-99° Zoom Range 28-40mm

<sup>1</sup>. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.



## WET WIDE LENS WWL-1/1B

### FOR FULL FRAME 28MM EQUIVAMENT LENS TO 130° FULL ZOOM-THROUGH

	CAMERA HOUSING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
COMPACT & N50	<b>PANASONIC</b>  Panasonic Lumix DC-LX100II ( 17717 NA-LX100II )  * 24-75mm (35mm equivalent)	<b>38704</b> N50 Short Port 22 with Bayonet Mount <i>* change port from housing</i>		<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 75-72° Converted FOV 130-125° Zoom Range 28-30mm
				<b>83202</b> WWL - 1B	Lens FOV 75-72° Converted FOV 130-125° Zoom Range 28-30mm
COMPACT & N50	Panasonic Lumix DC-LX10 ( LX15 ) ( 17714 NA-LX10 )  * 24-72mm (35mm equivalent)		<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 58-34° Converted FOV 100-60° Zoom Range 38-72mm
				<b>83202</b> WWL - 1B	Lens FOV 58-34° Converted FOV 100-60° Zoom Range 38-72mm
	<b>OLYMPUS</b>  Olympus Tough TG5/TG6 ( 17812 NA-TG5 with M52 Thread )  * 24-100mm (35mm equivalent)		<b>83255</b> M52 to Bayonet Mount Converter for NA-TG5	<sup>1</sup> <b>83201</b> WWL - 1 <i>* WWL-1B is incompatible</i>	Lens FOV 75-24° Converted FOV 130-42° Zoom Range 28-100mm
				<b>38024 + 83211</b> M52 to M67 Step Up Adaptor Ring + M67 Mounting Ring for WWL-1 <i>(83211 is included in all WWL-1 packaging)</i>	<b>83201</b> WWL - 1 <i>* WWL-1B is incompatible</i>
Olympus Tough TG5/TG6 ( 17816 NA-TG6 with Bayonet Mount )  * 24-100mm (35mm equivalent)			<sup>1</sup> <b>83201</b> WWL - 1 <i>* WWL-1B is incompatible</i>	Lens FOV 75-24° Converted FOV 130-42° Zoom Range 28-100mm	
			<b>83256</b> Bayonet Mount Converter for Olympus PT-058/PT-059	<sup>1</sup> <b>83201</b> WWL - 1 <i>* WWL-1B is incompatible</i>	Lens FOV 75-24° Converted FOV 130-42° Zoom Range 28-100mm
	Olympus PT-058/PT-059 Underwater Housing				

<sup>1</sup>. We recommend to use #83201 WWL-1 with the pre-installed bayonet mounting ring. #83211 M67 mounting ring (included in WWL-1 package) can also be mounted on the WWL-1 and attach on M67 threaded port directly.

**83201**  
**WET WIDE LENS 1 WWL-1**

**Package includes :**

M67 Mounting Ring for WWL-1	#83211
Hard Lens Cap	#83224
Rear Lens Cap	#83221
Bayonet Mounting Ring for WWL-1	(pre-installed)
Cleaning Cloth	
Carrying Bag	

**83202**  
**WET WIDE LENS 1B WWL-1B**

**Package includes :**

Hard Lens Cap	#83224
Rear Lens Cap	#83221
Release Extension Button	
Cleaning Cloth	
Carrying Bag	

**Specification (83202)**

Dimension ( dia x length )	156 x 97 mm
Weight in Air	1.35 kg
Buoyancy in Water	- 0.12 kg
Body Construction	Hard-anodized aluminum alloy
Lens Construction	6 Elements in 5 Groups
Lens Coating	Anti-reflection Coating
Lens Mount	Bayonet
Depth Rating	150m
Focal Distance	From front element of lens to infinity
Field of View (Underwater)	130° (ref 28mm equiv.)

**Accessories**

Bayonet Mount Lens Holder II for Arms	#83252
Bayonet Mount Double Lens Holder II for Arms	#83253
Single Bayonet Holder II for 70mm Float Arm	#72233
Double Bayonet Holder II for 90mm Float Arm	#72244
Neoprene Cover for WWL-1B	#83232



## WET WIDE LENS COMPACT WWL-C

### FOR FULL FRAME 24MM EQUIVAMENT LENS TO 130° FULL ZOOM-THROUGH

	CAMERA LENS / CAMERA HOUSING	GEAR	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
<b>N120 NIKON</b> <b>Z-MOUNT</b> STANDARD ZOOM FX	Nikkor Z 24-50mm f/4-6.3 Lens	<b>19163</b> NZ2450-Z	<b>18707</b> N120 Macro Port 6	<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL-C	Lens FOV Converted FOV Zoom Range 84-47° 130-81° 24-50mm
<b>N120</b> <b>CANON</b> WIDE ANGLE FULL FRAME	Canon RF 24mm f/1.8 Macro IS STM		<b>18707</b> N120 Macro Port 6	<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL-C	Lens FOV Converted FOV 84° 130°
<b>N100</b> <b>FUJIFILM</b> STANDARD ZOOM APSC	Fujifilm XC 15-45mm f/3.5-5.6 OIS PZ	<b>36476</b> X1545PZ-Z	<b>36478</b> N100 Flat Port 40	<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL-C	Lens FOV Converted FOV Zoom Range 84-35° 130-54° 16-45mm
<b>N100 NIKON</b> <b>Z-MOUNT</b> STANDARD ZOOM DX	NIKKOR Z DX 16-50mm f/3.5-6.3 VR	<b>37602</b> Z1650PZ-Z	<b>37601</b> N100 Flat Port 29	<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL-C	Lens FOV Converted FOV 84-31.5° 130-49°
<b>N100 SONY</b> <b>E-MOUNT</b> WIDE ANGLE FULL FRAME	Sony FE 24mm f/2.8 G		<b>37130</b> N100 Flat Port 23	<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL-C	Lens FOV Converted FOV 84° 130°
	Sigma 24mm f/3.5 DG DN		<b>37127</b> N100 Flat Port 32	<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL-C	Lens FOV Converted FOV 84° 130°
<b>N85 MICRO FOUR</b> <b>THIRDS</b> STANDARD ZOOM FOUR THIRDS	Olympus M.Zuiko Digital ED 12-50mm f/3.5-6.3 EZ	<b>36147</b> O1250-Z <i>*36059 O1250-Z for NA-GH5 &amp; NA-EM1X</i>	<b>36161</b> N85 Macro Port with M77 Thread	<b>83251</b> M77 to Bayonet Mount Converter II	<b>83203</b> WWL-C	Lens FOV Converted FOV Zoom Range 72-24° 110-37° 14-50mm
	Panasonic LUMIX G VARIO 12-32mm F3.5-5.6 ASPH. ASPH. MEGA O.I.S.	<b>36046</b> P1232-Z	<b>36165</b> N85 Power Zoom Macro Port 29	<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL-C	Lens FOV Converted FOV 84-37° 130-57°
<b>N85 SONY</b> <b>E-MOUNT</b> STANDARD ZOOM APSC	Sony E PZ 16-50mm f/3.5-5.6 OSS	<b>36172</b> SE1650-PZ	<b>36228</b> N85 Macro Port 40 with Knob	<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL-C	Lens FOV Converted FOV Zoom Range 80-31° 124-48° 17-50mm
<b>N85 CANON</b> <b>EF-M-MOUNT</b> STANDARD ZOOM APSC	Canon EF-M 15-45mm f/3.5-6.3 IS STM	<b>36195</b> CM1545-Z	<b>36135</b> N85 Macro Port 45	<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL-C	Lens FOV Converted FOV Zoom Range 76-33° 117-51° 17-45mm



## WET WIDE LENS COMPACT WWL-C

### FOR FULL FRAME 24MM EQUIVAMENT LENS TO 130° FULL ZOOM-THROUGH

	CAMERA HOUSING	PORT	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE
SONY	Sony Cyber-shot DSC-RX100 Mark V ( 17418/17418P NA-RX100V / Pro Package ) * 24-70mm (35mm equivalent)		<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL - C	Lens FOV 84-34° Converted FOV 130-52°
	Sony Cyber-shot DSC-RX100 Mark VI ( 17421/17421P NA-RX100VI / Pro Package ) * 24-200mm (35mm equivalent)	<b>38704</b> N50 Short Port 22 with Bayonet Mount <i>* change port from housing</i>		<b>83203</b> WWL - C	Lens FOV 84-46° Converted FOV 130-70° Zoom Range 24-50mm
	Sony Cyber-shot DSC-RX100 Mark VII ( 17424/17424P NA-RX100VII / Pro Package ) * 24-200mm (35mm equivalent)	<b>38705</b> N50 Short Port 17 with Bayonet Mount <i>* change port from housing</i>		<b>83203</b> WWL - C	Lens FOV 84-46° Converted FOV 130-70° Zoom Range 24-30mm
CANON	Canon Powershot G5XMKII ( 17331/17331P NA-G5XII / Pro Package ) * 24-120mm (35mm equivalent)	<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>		<b>83203</b> WWL - C	Lens FOV 84-46° Converted FOV 130-71° Zoom Range 24-50mm
	Canon Powershot G7XMKII ( 17324 NA-G7XII ) * 24-100mm (35mm equivalent)	<b>38703</b> N50 Short Port 25 with Bayonet Mount <i>* change port from housing</i>		<b>83203</b> WWL - C	Lens FOV 84-46° Converted FOV 130-71° Zoom Range 24-50mm
	Canon Powershot G7XMKIII ( 17330/17330P NA-G7XIII / Pro Package ) * 24-100mm (35mm equivalent)	<b>38704</b> N50 Short Port 22 with Bayonet Mount <i>* change port from housing</i>		<b>83203</b> WWL - C	Lens FOV 84-46° Converted FOV 130-71° Working Distance 24-50mm
PANASONIC	Panasonic Lumix DC-LX100II ( 17717 NA-LX100II ) * 24-75mm (35mm equivalent)	<b>38704</b> N50 Short Port 22 with Bayonet Mount <i>* change port from housing</i>		<b>83203</b> WWL - C	Lens FOV 84-72° Converted FOV 130-112° Working Distance 24-30mm
	Panasonic Lumix DC-LX10 (LX15) ( 17714 NA-LX10 ) * 24-72mm (35mm equivalent)		<b>83250</b> M67 to Bayonet Mount Converter II	<b>83203</b> WWL - C	Lens FOV 70-34° Converted FOV 108-53° Zoom Range 32-72mm
OLYMPUS	Olympus Tough TG5/TG6 ( 17812 NA-TG5 with M52 Thread ) * 24-100mm (35mm equivalent)		<b>83255</b> M52 to Bayonet Mount Converter for NA-TG5	<b>83203</b> WWL - C	Lens FOV 84-24° Converted FOV 130-37°

COMPACT & N50



## WET WIDE LENS COMPACT WWL-C

### FOR FULL FRAME 24MM EQUIVAMENT LENS TO 130° FULL ZOOM-THROUGH

		CAMERA HOUSING	MOUNT CONVERTER	WET LENS	OPTICAL PERFORMANCE	
<b>COMPACT &amp; N50</b>	<b>OLYMPUS</b>	Olympus Tough TG5/TG6 ( 17816 NA-TG6 with Bayonet Mount ) * 24-100mm (35mm equivalent)		<b>83203</b> WWL - C	Lens FOV Converted FOV	84-24° 130-37°
		Olympus PT-058/ PT-059 Underwater Housing	<b>83256</b> Bayonet Mount Converter for Olympus PT-058/PT-059	<b>83203</b> WWL - C	Lens FOV Converted FOV	84-24° 130-37°

**83203****WET WIDE LENS COMPACT WWL-C****Package includes :**

Hard Lens Cap  
Rear Lens Cap  
Cleaning Cloth  
Carrying Bag

**Specification**

Dimension ( dia x length )	156 x 78 mm
Weight in Air	1.09 kg
Buoyancy in Water	- 0.14 kg
Body Construction	Hard-anodized aluminum alloy
Lens Construction	4 Elements
Lens Coating	Anti-reflection Coating on both sides
Lens Mount	Bayonet
Depth Rating	100m
Focal Distance	From front element of lens to infinity
Field of View (Underwater)	130° (ref 24mm equiv.)

**Accessories**

Bayonet Mount Lens Holder II for Arms	#83252
Bayonet Mount Double Lens Holder II for Arms	#83253
Single Bayonet Holder II for 70mm Float Arm	#72233
Double Bayonet Holder II for 70mm Float Arm	#72234
Single Bayonet Holder II for 90mm Float Arm	#72243
Double Bayonet Holder II for 90mm Float Arm	#72244