



## 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	<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>N100 FUJIFILM X-MOUNT</b>	<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	<sup>1</sup> <b>83201</b> WWL - 1	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	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 63.4° Converted FOV 110°
							<b>83202</b> WWL - 1B	Lens FOV 76.5° Converted FOV 132°
						<b>83202</b> WWL - 1B	Lens FOV 63.4° 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	<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	
<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	<sup>1</sup> <b>83201</b> WWL - 1	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	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 75-40° Converted FOV 130-69°
		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	<sup>1</sup> <b>83201</b> WWL - 1
						<b>83202</b> WWL - 1B		Lens FOV 75° Converted FOV 130°
						<b>83202</b> WWL - 1B	Lens FOV 75-40° Converted FOV 130-69°	
						<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 62° Converted FOV 109°	
						<sup>1</sup> <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> 01442-Z	<b>36136</b> N85 Macro Port 56	<b>83250</b> M67 to Bayonet Mount Converter II	<sup>1</sup> <b>83201</b> WWL - 1	Lens FOV 75-29° Converted FOV 130-50°	
			<b>36143 + 36067</b> 01442-Z + 01442-F	<b>36166</b> N85 Macro Port 56 with Focus Knob		<b>83250</b> M67 to Bayonet Mount Converter II	<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>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.



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### 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.



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### 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

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.



## 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	<b>PANASONIC</b>  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
				<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>83201</b> WWL - 1 <i>* WWL-1B is incompatible</i>
COMPACT & N50	<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>	Lens FOV 75-24° Converted FOV 130-42° Zoom Range 28-100mm
			<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	
				<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
COMPACT & N50	<b>OLYMPUS</b>  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
				<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
COMPACT & N50	<b>OLYMPUS</b>  Olympus PT-058/ PT-059 Underwater Housing		<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
				<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

<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