

## Nauticam Wet Wide-angle Lens 1 (WWL-1) Compatibility Chart

	LENS	GEAR	LENS PORT	OPTIONAL ACCESSORIES
N85 Micro 4/3	Olympus M.ZUIKO DIGITAL ED 12-50mm f/3.5-6.3 EZ	36147 O1250-Z	36161* Macro Port with M77 thread <i>*No vignetting from 16mm</i> <i>*Require 83125 to mount WWL-1 onto the port</i>	83215**/83251 M77 to Bayonet Mount Converter /II <i>**No vignetting at 14mm when used alone</i>
	Olympus M.ZUIKO DIGITAL 14-42mm F3.5-5.6 II R	36143 O1442-Z	36136 Macro port 56	83213/83250 M67 to Bayonet Mount Converter/II
	Olympus M.ZUIKO DIGITAL ED 14-42mm F3.5-5.6 EZ	36047 O1442EZ-Z	36165 N85 Power Zoom Macro Port 29	83213/83250 M67 to Bayonet Mount Converter/II
	Panasonic LUMIX G VARIO 12-32mm F3.5-5.6 ASPH. MEGA O.I.S.	36046 P1232-Z	36165* N85 Power Zoom Macro Port 29 <i>*No vignetting from 14mm</i>	83213/83250 M67 to Bayonet Mount Converter/II
	Panasonic LUMIX G 14mm / F2.5 ASPH		36151 N10 Pancake Port	83213/83250 M67 to Bayonet Mount Converter/II
	Panasonic LUMIX G VARIO 14-42mm F3.5-5.6 II ASPH. MEGA O.I.S.	36057 P1442II-Z	36139 Macro Port 35	83213/83250 M67 to Bayonet Mount Converter/II
Panasonic LUMIX G X VARIO PZ 14-42mm F3.5-5.6 ASPH. Power O.I.S.	36146 P1442X-PZ	36165 N85 Power Zoom Macro Port 29	83213/83250 M67 to Bayonet Mount Converter/II	
N85 Sony E	Sony SELP1650 E PZ 16-50mm F3.5-5.6 OSS	36172 SE1650-PZ	36128* Macro port 45 with knob <i>*No vignetting from 20mm</i>  36228 N85 Macro port 40 with knob <i>* No vignetting from 19mm</i>	83213/83250 M67 to Bayonet Mount Converter/II  83250 M67 to Bayonet Mount Converter/II
	Sigma 19mm F2.8 DN   A		36135 Macro port 45	83213/83250 M67 to Bayonet Mount Converter/II
N100 Sony FE	Sony SEL28F20 FE 28mm F2 on NA-A7 for A7/ A7R/ A7s		37128 N100 Flat Port 37	83213/83250 M67 to Bayonet Mount Converter/II
	Sony SEL28F20 FE 28mm F2 on NA-A7II for A7 II/ A7R II/ A7s II		37127 N100 Flat Port 32	83213/83250 M67 to Bayonet Mount Converter/II
N85 Canon M	Canon EF-M 22mm f/2 STM		36126 E16 pancake port	83213/83250 M67 to Bayonet Mount Converter/II
	Canon EF-M 15-45mm f/3.5-6.3 IS STM	36195 CM1545-Z	36135 Macro port 45 <i>*No vignetting at 18mm (4:3)</i>	83213/83250 M67 to Bayonet Mount Converter/II
N100 Fujifilm	Fujifilm XC 15-45mm f3.5-5.6 OIS PZ	36476 X1545PZ-Z	36478 N100 Flat port 40 <i>* No vignetting from 19mm</i>	83250 M67 to bayonet converter II
N100 Nikon Z	NIKKOR Z DX 16-50mm f/3.5-6.3 VR	37602 Z1650PZ-Z	37601 N100 Flat port 29 <i>*no vignetting from 20mm.</i>	83250 M67 to bayonet converter II

May vignetting with focal length wider than 28mm

Compact

Sony Cyber-Shot DSC-RX100 17404 NA-RX100		<b>83213/83250</b> M67 to Bayonet Mount Converter/II
Sony Cyber-Shot DSC-RX100 II 17408 NA-RX100II		<b>83213/83250</b> M67 to Bayonet Mount Converter/II
Sony Cyber-Shot DSC-RX100 III 17413 NA-RX100III		<b>83213/83250</b> M67 to Bayonet Mount Converter/II
Sony Cyber-Shot DSC-RX100 IV 17415 NA-RX100IV		<b>83213/83250</b> M67 to Bayonet Mount Converter/II
Sony Cyber-Shot DSC-RX100 V 17418 NA-RX100V		<b>83213/83250</b> M67 to Bayonet Mount Converter/II
Sony Cyber-Shot DSC-RX100 VI 17421/17421P NA-RX100VI	<b>38703</b> N50 Short Port 25 with Bayonet Mount	<i>*working range: 28mm-65mm</i>
Sony Cyber-Shot DSC-RX100 VII 17424/17424P NA-RX100VII	<b>38703</b> N50 Short Port 25 with Bayonet Mount	<i>*working range: 28mm-65mm</i>
Canon PowerShot G16 17313 NA-G16		<b>83213/83250</b> <i>*no vignetting at 42mm</i> M67 to Bayonet Mount Converter/II
Canon PowerShot S120 17314 NA-S120		<b>83213/83250</b> M67 to Bayonet Mount Converter/II
Canon PowerShot G7X 17318 NA-G7X	<b>38703</b> N50 Short Port 25 with Bayonet Mount	<i>*working range: 28mm-50mm</i>
Canon PowerShot G7X II 17324 NA-G7XII	<b>38703</b> N50 Short Port 25 with Bayonet Mount	<i>*working range: 28mm-50mm</i>
Canon PowerShot G7X III 17330/17330P NA-G7XIII	<b>38703</b> N50 Short Port 25 with Bayonet Mount	<i>*working range: 28mm-70mm</i>
Canon PowerShot G5 X Mark II 17331/17331P NA-G5XII	<b>38703</b> N50 Short port 25 with bayonet mount	<i>*working range: 28mm-50mm</i>
Panasonic Lumix DMC-LX100 17710 NA-LX100	<b>38703</b> N50 Short Port 25 with Bayonet Mount	<i>*working range: 28mm-30mm</i>
Panasonic Lumix DMC-LX100 II 17717 NA-LX100II	<b>38703</b> N50 Short Port 25 with Bayonet Mount	<i>*working range: 28mm-40mm</i>
Panasonic Lumix DMC-LX10 17414 NA-LX10 Housing		<b>83213/83250</b> <i>*No vignetting from 38mm</i> M67 to Bayonet Mount Converter/II

Specification:

**Model:** WWL-1

**Outer diameter x Length:** Dia130mm x 97mm

**Weight (air / underwater):** 1.24kg / 0.62kg

**Body construction:** Hard-anodized aluminium alloy

**Lens construction:** 6 elements in 5 groups

**Lens coatings:** Both side anti-reflection coating

**Focal distance:** From front element of lens to infinity

**Field of view (underwater):** 130° (Ref. 28mm equiv.)

**Mount system:** M67 or NA Bayonet

**Depth rating:** 100m

Included in Box:

Neoprene cover - (25024)

Rear lens cap for WWL-1 (83221)

M67 Mounting Ring for WWL-1 (83211)

Bayonet Mounting Ring for WWL-1 (83212)

Carrying Bag (83226)

Cleaning Cloth

Optional accessories:

M67 to Bayonet Mount Converter (83213)

M77 to Bayonet Mount Converter (83215)

Bayonet Mount Holder for SMC/CMC (83214)

Bayonet Mount Lens Holder for Arms (83222)

Bayonet Mount Double Lens Holder for Arms (83223)

Hard Cap for WWL-1 (83224)

Buoyancy Collar for WWL-1 (83225)

Bayonet Mount Lens Holder for Inon Float Arms (83227)

## Wet Wide Lens Compact (WWL-C) Compatibility Chart

Camera	Gear	Port	Mounting Converter	Working Focal Range (eq.)
Sony Cyber-Shot DSC-RX100 VII 17424/17424P NA-RX100VII	<b>38705</b>	N50 Short port 17 with bayonet mount		24-30 mm
Sony Cyber-Shot DSC-RX100 VI 17421/17421P NA-RX100VI	<b>38704</b>	N50 Short port 22 with bayonet mount		24-50 mm
Sony Cyber-Shot DSC-RX100 V 17418/17418P NA-RX100V			<b>83250</b> M67 to bayonet converter II	Full 24-70 mm
Sony Cyber-Shot DSC-RX100 IV 17415 NA-RX100IV			<b>83250</b> M67 to bayonet converter II	Full 24-70 mm
Sony Cyber-Shot DSC-RX100 III 17413 NA-RX100III			<b>83250</b> M67 to bayonet converter II	Full 24-70 mm
Canon PowerShot G5 X Mark II 17331/17331P NA-G5XII	<b>38703</b>	N50 Short port 25 with bayonet mount		24-50 mm
Canon PowerShot G7X III 17330/17330P NA-G7XIII	<b>38704</b>	N50 Short port 22 with bayonet mount		24-50 mm
Canon PowerShot G7X II,G7X 17324 NA-G7XII/17318 NA-G7X	<b>38703</b>	N50 Short port 25 with bayonet mount		24-50 mm
Panasonic Lumix DMC-LX100 II 17717 NA-LX100II	<b>38704</b>	N50 Short port 22 with bayonet mount		24-30 mm
Panasonic Lumix DMC-LX100 17710 NA-LX100	<b>38703</b>	N50 Short port 25 with bayonet mount		24 ~ 30 mm
Panasonic Lumix DMC-LX10 (LX15) 17714 NA-LX10 Housing			<b>83250</b> M67 to bayonet converter II	32 ~ 72 mm
Olympus Tough TG-5/TG6 camera 17812 NA-TG5			<b>83255*</b> Bayonet Converter for NA-TG5 to use with WWL-1/WWL-C	Full 25-100 mm
Olympus Tough TG-5/TG6 camera Olympus PT-058/PT-059			<b>83256*</b> Bayonet Converter for PT-058/059 to use with WWL-1/WWL-C	Full 25-100 mm
Olympus Tough TG6 Camera 17816 NA-TG6				Full 25-100 mm

COMPACT

N85 Micro 4/3	Olympus M.ZUIKO DIGITAL ED 12-50mm f/3.5-6.3 EZ	36147 O1250-Z	36161 N85 Macro port with M77 thread	83251 M77 to bayonet converter II	15-50mm
	Panasonic LUMIX G VARIO 12-32mm F3.5-5.6 ASPH. MEGA O.I.S.	36046 P1232-Z	36165 N85 Power zoom macro port 29	83250 M67 to bayonet converter II	Full 12-32mm
N85 Sony E	Sony SELP1650 E PZ 16-50mm F3.5-5.6 OSS	36172 SE1650-PZ	36228 N85 Macro port 40 with knob	83250 M67 to bayonet converter II	17-50mm
N85 Canon M	Canon EF-M 15-45mm f/3.5-6.3 IS STM	36195 CM1545-Z	36135 N85 Macro port 45	83250 M67 to bayonet converter II	17-45mm
N100 Fujifilm	Fujifilm XC 15-45mm f3.5-5.6 OIS PZ	36476 X1545PZ-Z	36478 N100 Flat port 40	83250 M67 to bayonet converter II	16-45mm
N100 Nikon Z	NIKKOR Z DX 16-50mm f/3.5-6.3 VR	37602 Z1650PZ-Z	37601 N100 Flat port 29	83250 M67 to bayonet converter II	Full 16-50 mm

**Specification:**

**Model:** WWL-C

**Outer diameter x Length:** DIA156mm x 77mm

**Weight (air / underwater):** 1.09kg / 0.14kg

**Body construction:** Hard-anodized aluminium alloy

**Lens construction:** 4 elements

**Lens coatings:** Both side anti-reflection coating

**Focal distance:** From front element of lens to infinity

**Field of view (underwater):** 130° (Ref. 24 equiv.)

**Mount system:** Bayonet Mount II

**Depth rating:** 100m

**Included in Box:**

Rear lens cap for WWL-C (new)

Carrying bag (new)

Cleaning cloth

Hard lens cap for WWL-C

**Optional accessories**

38703 N50 Short port 25 with bayonet mount

38704 N50 Short port 22 with bayonet mount

38705 N50 Short port 17 with bayonet mount

83250 M67 to bayonet converter II

83255 Bayonet Converter for NA-TG5 to use with WWL-1/WWL-C \*

83256 Bayonet Converter for Olympus PT-058/059 to use with WWL-1/WWL-C \*

\* includes a new S&S optical fiber mounting plate

**MACRO TO WIDE ANGLE LENS 1 (MWL-1)  
COMPATIBLE CHART**

	LENS	GEAR	EXTENSION/ADAPTORS	LENS / PORT	MOUNTING CONVERTER	Workable Focal Range	Original FOV	Converted FOV	
N120NIKON	APSC	Nikon AF-S DX Micro NIKKOR 40mm f/2.8G DX	19152 N40G-F	18705 Macro port 45 <i>*Incompatible with wet macro lenses</i>	83250 M67 to bayonet converter II	40mm	39°	150°	
		Nikon AF-S DX 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 converter II	40-55mm	39° ~ 29°	135° ~ 88°
	FULL FRAME	Nikon AF-S Micro NIKKOR 60mm f/2.8G ED	19121 N60G-F	18701 Macro port 60	83250 M67 to bayonet converter II	60mm	39°	150°	
<i>*Incompatible with Nikon AF-S Nikkor 105mm f/2.8G</i>									
N120 CANON	APSC	Canon EF 40mm f2.8 STM		18706 N120 Macro port 12	83250 M67 to bayonet converter II	40mm	37°	135°	
		<i>* Incompatible with Canon EF-S 60mm f2.8 USM</i>							
	FULL FRAME	Canon EF 28-80mm f/3.5-5.6 II	19558 C2880f3.5II-Z	21120 Extension ring 20 with lock	18705 Macro port 45	83250 M67 to bayonet converter II	66-80mm	36° ~ 30°	120° ~ 93°
		Canon EF 28-80mm f/3.5-5.6 V USM	19559 C2880f3.5V-Z	21120 Extension ring 20 with lock	18705 Macro port 45	83250 M67 to bayonet converter II	63-80mm	37.5°~30°	130°~93°
N85 M 4/3	M4/3	Olympus M.Zuiko Digital ED 30mm f3.5 Macro		36135 Macro port 45 <i>*Incompatible with wet macro lenses</i>	83250 M67 to bayonet converter II	30mm	39°	150°	
		Panasonic Lumix G Macro 30mm f/2.8 Asph. Mega O.I.S.		36135 Macro port 45 <i>*Incompatible with wet macro lenses</i>	83250 M67 to bayonet converter II	30mm	39°	150°	
		Olympus M.ZUIKO DIGITAL ED 12-50mm f/3.5-6.3 EZ	36147* O1250-Z <b>* 36059 O1250-Z for use with NA-GH5/EM1X</b>	36161 Macro Port with M77 thread	83251 M77 to bayonet converter II	30-50mm	39° ~ 24°	150°~71°	
<i>* Incompatible with Olympus 60mm f2.8 lens, Panasonic leica 45mm f2.6</i>									
N85 FUJIFILM	APSC	Carl Zeiss Touit 2.8/50M	36422 XZ50-A	36620 Mini extension ring 20	36135 (*1) Macro port 45	83250 M67 to bayonet converter II	50mm	31°	100°
				36630 Mini extension ring 30	36139 Macro port 35	83250 M67 to bayonet converter II			
N100 XH1	APSC	Carl Zeiss Touit 2.8/50M(X-mount)		37401 N100 extension ring 30	37127 (*1) N100 Flat port 32	83250 M67 to bayonet converter II	50mm	31°	100°
				36471 N100 to N85 20mm port adaptor	36135 Macro port 45	83250 M67 to bayonet converter II			
		Fujifilm XC 15-45mm f3.5-5.6 OIS PZ	36476 X1545PZ-Z		36478 N100 Flat port 40	83250 M67 to bayonet converter II	40-45mm	39° ~ 35°	150° ~ 114°
N100 SONY	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 converter II	66-70mm	36° ~ 34°	120° ~ 110°
N85 SONY	APSC	Carl Zeiss Touit 2.8/50M		36630 Mini extension ring 30	36135 Macro port 45	83250 M67 to bayonet converter II	50mm	31°	100°
		Sony SEL1670Z Vario-Tessar T* E 16-70mm F4 ZA OSS	36174 SE1670-Z	36206 N85 to N120 50mm Port adaptor with zoom/focus knob	18705 Macro port 45	83250 M67 to bayonet converter II	50-60mm	32° ~ 27°	100° ~ 82°
COMPACT	SONY	Sony Cyber-shot DSC-RX100 III 17413 NA-RX100III			83250 M67 to bayonet converter II	65mm-70mm			
		Sony Cyber-shot DSC-RX100 IV 17415 NA-RX100IV			83250 M67 to bayonet converter II	65mm-70mm			
		Sony Cyber-shot DSC-RX100 V 17418 NA-RX100V			83250 M67 to bayonet converter II	65mm-70mm			
		Sony Cyber-shot DSC-RX100 VI 17421 NA-RX100VI			38703 N50 Short port 25		60mm-65mm		
		Sony Cyber-shot DSC-RX100 VII 17424 NA-RX100VII			38703 N50 Short port 25		65mm		
	CANON	Canon PowerShot G7X 17318 NA-G7X housing				83250 M67 to bayonet converter II	65mm-100mm		
		Canon PowerShot G7XII 17324 NA-G7XII Housing				83250 M67 to bayonet converter II	65mm-100mm		
		Canon PowerShot G7X III 17330/17330P NA-G7XIII			38703 N50 Short port 25		65mm-70mm		
	PANASONIC		Panasonic Lumix DMC-LX10 17414 NA-LX10 Housing			83250 M67 to bayonet converter II	65mm-100mm		
						83250 M67 to bayonet converter II	65mm-72mm		

86201 Macro to Wide angle Lens 1 (MWL-1) 150 deg. FOV with full frame 60mm macro lens

**Specifications**  
Model: 86201 MWL-1  
Outer diameter x Length: DIA108 mm x 120 mm  
Weight (air / underwater): 1.20kg / 0.58kg  
Body construction: Hard-anodized aluminium alloy  
Lens construction: 7 elements in 5 groups (inc. one aspherical element)  
Lens coatings: Both side anti-reflection coating  
Focal distance: From front element of lens to infinity  
Field of view (underwater): 150° (Ref. 60mm equiv.)  
Mount system: NA Bayonet or M67  
Depth rating: 100m

**Included in the Box:**  
M67 to Bayonet Mount Converter (83213)  
Rear lens cap for WWL-1/MWL-1 (83221)  
Bayonet Mounting Ring for MWL-1  
Neoprene cover  
Carrying Bag  
Cleaning Cloth  
Hard Cap

**Optional accessories:**  
86221 M67 Flip holder for MWL-1  
86222 Double Flip Holder for MWL-1  
83214 Bayonet Mount Holder for SMC/CMC  
72233 Single Bayonet Holder II for Ø70 Float Arm  
72234 Double Bayonet Holder II for Ø70 Float Arm  
72243 Single Bayonet Holder II for Ø90 Float Arm  
72244 Double Bayonet Holder II for Ø90 Float Arm  
83250 M67 to Bayonet Converter II  
83251 M77 to Bayonet Converter II

**0.36x WIDE ANGLE CONVERSION PORT  
FOR N120 NIKON DSLR SYSTEM**

	LENS	GEAR	EXTENSION RING	LENS / PORT	ORIGINAL FOV	CONVERTED UW FOV
NIKON APS-C, F MOUNT	Nikon AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR II	19144 N1855VR II-Z	21135 N120 Extension ring 35 with lock	85201 (*1) 0.36x WACP-1	76° ~ 29°	130° ~ 50°
	Nikon AF-S 17-35mm f/2.8D IF-ED	19130 N1735-Z	21150 Extension ring 50 with lock	85201 0.36x WACP-1 <i>*Zoom from 18mm to avoid vignette</i>	75° ~ 45°	130° ~ 78°
	Nikon AF-S NIKKOR 16-35mm f/4G ED VR	19138 N1635-Z	21170 Extension ring 70 with lock	85201 0.36x WACP-1 <i>*Zoom from 18mm to avoid vignette</i>	75° ~ 45°	130° ~ 78°
	Nikon AF-S NIKKOR 18-35mm f/3.5-4.5G ED	19141 N1835-Z	21140 Extension ring 40 with lock	85201 0.36x WACP-1	77° ~ 45°	130° ~ 78°
NIKON FF, F MOUNT	Nikon AF-S Nikkor 28mm f/1.8 G		21120 N120 Extension ring 20 with lock	85201 0.36x WACP-1	75°	130°
	Nikon AF Nikkor 28mm f/2.8D			85201 0.36x WACP-1	75°	130°
	Nikon AF Nikkor 28-70mm f/3.5-4.5D	19148 N2870f3.5D-Z	21135 N120 Extension ring 35 with lock	85201 0.36x WACP-1	75° ~ 34°	130° ~ 59°
NIKON Z MOUNT	Nikkor Z 35mm f1.8 S			85201 0.36x WACP-1	63°	97°
	Nikkor Z 24-70mm f/4 S	19154 NZ2470-Z	21120 Extension ring 20 with lock	85201 0.36x WACP-1 <i>*working range: 28mm-32mm</i>	75° ~ 70°	130° ~ 121°
	Techart Sony E to Nikon Z Autofocus Adapter (TZE-01) with Sony SEL2870 FE 28-70mm F3.5-5.6 OSS	19158 NE2870-Z	21120 Extension ring 20 with lock	85201 0.36x WACP-1	75° ~ 34°	130° ~ 59°

**0.36x WIDE ANGLE CONVERSION PORT  
FOR N120 CANON DSLR SYSTEM**

	LENS	GEAR	EXTENSION RING	LENS / PORT	ORIGINAL FOV	CONVERTED FOV
CANON APS-C	Canon EF-S 18-55mm f/3.5-5.6 IS STM	19547 C1855ISSTM-Z	21130 Extension ring 30 with lock	85201 0.36x WACP-1	75° ~ 27.5°	130° ~ 46°
	Sigma 18-35mm F1.8 DC HSM   A	19552 SC1835f.18-Z	21130+21135 Extension ring 30 + ER 35 with lock	85201 0.36x WACP-1 85202 (*1) 0.36x WACP-1	75° ~ 44°	130° ~ 76°
	Canon EF 17-40mm f/4L USM	19528 C1740-Z	21140 Extension ring 40 with lock	85201 0.36x WACP-1	77° ~ 37°	130° ~ 64°
	Canon EF 16-35mm F4L IS USM	19548 C1635f4-Z	21160 Extension ring 60 with lock	85201 0.36x WACP-1	80° ~ 43°	138° ~ 74°
	Canon EF 16-35mm f/2.8L III USM	19554 C1635III-Z	21170 Extension ring 70 with lock	85201 0.36x WACP-1	80° ~ 43°	138° ~ 74°
CANON FULL FRAME	Canon EF 28mm f/1.8 USM			85201 0.36x WACP-1	75°	130°
	Canon EF 28mm f/2.8 IS USM			85201 0.36x WACP-1	75°	130°
	Canon EF 28-70mm f/3.5-4.5 II	19557 C2870f3.5II-Z	21125 N120 Extension ring 25 with lock	85201 (*1) 0.36x WACP-1	75° ~ 34°	130° ~ 59°
		19566 C2870f3.5II-F	21230 Extension ring 30 with focus knob	85201 0.36x WACP-1 <i>*Zoom from 30mm to avoid vignette</i>	72° ~ 34°	125° ~ 59°
	Canon EF 28-80mm f/3.5-5.6 II	19558 C2880f3.5II-Z	21130 Extension ring 30 with lock	85201 0.36x WACP-1	75° ~ 31°	130° ~ 54°
	Canon EF 28-80mm f/3.5-5.6 V USM	19559 C2880f3.5V-Z	21130 Extension ring 30 with lock	85201 0.36x WACP-1	75° ~ 31°	130° ~ 54°
	Canon EF 35mm f/2 IS USM			85201 0.36x WACP-1	63°	97°

Remarks: (\*1) Most recommended

(\*1) 37305 is compatible with Sony A series housings, and 37303 is compatible with A7RIII/A9/A7II/A7R II/A7S II, except NA-A7RIV housing.

**0.36x WIDE ANGLE CONVERSION PORT  
for N120 C200 & RED™**

LENS	GEAR	EXTENSION RING	LENS / PORT	ORIGINAL FOV	CONVERTED FOV
Canon EF-S 18-55mm f/3.5-5.6 IS STM	16330 RC1855STM-Z	21125 N120 Extension ring 25 with lock	85201 0.36x WACP-1 <i>*Zoom from 20mm to avoid vignette</i>	71° ~ 29°	123° ~ 50° (Super 35mm)
	16330 RC1855STM-F				
Sigma 18-35mm F1.8 DC HSM   A	16326 RSC1835f.18-Z	21130+21135 Extension ring 30 + ER 35 with lock	85201 0.36x WACP-1 <i>*Zoom from 20mm to avoid vignette</i>	71° ~ 46°	123° ~ 79.5° (Super 35mm)
	16326 RSC1835f.18-F				
Canon EF 16-35mm F4L IS USM	16317 RC1635f4-Z	21160 Extension ring 60 with lock	85201 0.36x WACP-1 <i>*Zoom from 20mm to avoid vignette</i>	71° ~ 45°	123° ~ 78° (Super 35mm)
	16318 RC1635f4-F				
Canon EF 16-35mm f/2.8L III USM	16325 RC1635III-Z	21170 Extension ring 70 with lock	85201 0.36x WACP-1 <i>*Zoom from 20mm to avoid vignette</i>	71° ~ 45°	123° ~ 78° (Super 35mm)
	16325 RC1635III-F				
Canon EF 28-70mm f/3.5-4.5 II	16334 RC2870II-Z	21125 N120 Extension ring 25 with lock	85201 0.36x WACP-1	75° ~ 34°	130° ~ 59° (Fullframe)
	16334 RC2870II-F				

SUPER 35mm and above (CANON MOUNT)



**0.36x WIDE ANGLE CONVERSION PORT  
for N100 Sony A7IV/A7RIII/A9II/A9/A7II/A7R II/A7S II**

	LENS	GEAR	ADAPTOR + EXTENSION RING	LENS / PORT	ORIGINAL FOV	CONVERTED FOV
SONY	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS	37141 SE2870-Z	37305* + 21120 N100 to N120 35.5mm Port adaptor II + Extension ring 20 with lock	85201 0.36x WACP-1	75° ~ 34°	130° ~ 59°
	Tamron 28-75mm f/2.8 Di III RXD	37159 STE2875-Z 37160 STE2875-F	37305* + 21135 N100 to N120 35.5mm Port adaptor II + Extension ring 35 with lock	85201 0.36x WACP-1 <i>*working range: 28-45mm</i>	75° ~ 52°	130° ~ 90°

**0.36x WIDE ANGLE CONVERSION PORT  
for N100 PORT SYSTEM FOR FUJIFILM XH1/XT3 SYSTEM**

	LENS	GEAR	EXTENSION RING	LENS / PORT	ORIGINAL FOV	CONVERTED FOV
FUJIFILM XH1/XT3	FUJINON XF18-55F2.8-4.0	36474 X1855-Z3	37401 N100 Extension ring 30	85203 N100 0.36x WACP-1 <i>*Working range : 18mm-30mm</i>	77° ~ 52°	130° ~ 90°

**0.36x WIDE ANGLE CONVERSION PORT  
for N85 PORT SYSTEM FOR PANASONIC & OLYMPUS & BMPCC M4/3 SYSTEM**

	LENS	GEAR	EXTENSION RING	LENS / PORT	ORIGINAL FOV	CONVERTED FOV
PANASONIC & OLYMPUS & BMPCC M4/3 SYSTEM	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 with knob <i>*Incompatible with NA-EM1X</i>	85201 0.36x WACP-1 <i>*Working range : 14-22mm 16:9 Aspect ratio : 12-22mm</i>	75° ~ 52°	130° ~ 90°
		36042(*4) P1235-F	36052(*2) N85 to N120 47mm Port adaptor with focus knob	85201 0.36x WACP-1 <i>*Working range : 14-30mm 16:9 Aspect ratio : 14-30mm</i>	75° ~ 40°	130° ~ 58°
	Olympus M.ZUIKO DIGITAL ED 12-40mm f/2.8 PRO	36045 O1240-Z	36052(*2) N85 to N120 47mm Port adaptor with focus knob	85201 0.36x WACP-1 <i>*Working range : 14-26mm 16:9 aspect ratio: 12-26mm</i>	75° ~ 45°	130° ~ 68°
		36065 O1240-F	36401(*3) N85 to N120 55mm Port adaptor with knob	85201 0.36x WACP-1 <i>*Working range : 14-32mm 16:9 aspect ratio: 12-32mm</i>	75° ~ 38°	130° ~ 57°
	Olympus M.Zuiko Digital ED 12-45mm f/4 PRO	36069 O1245-Z	36064* N85 to N120 34.7mm port adaptor with knob <i>*Incompatible with NA-EM1X</i>	85201 0.36x Wide Angle Conversion Port <i>*Working range : 14-29mm</i>	75° ~ 40°	130° ~ 58°
		36070 O1245-F				

\*Port Lock Ring is suggested to upgrade to aluminium part, except NA-E2.

(\*2) 36052 before SN: A297188 is incompatible with NA-EM1X

(\*3) 36401 before SN: A393237 is incompatible with NA-EM1X

(\*4) 36042 is compatible with Ver.II lens from A107953

**WIDE ANGLE CONVERSION PORT -2 (WACP-2)  
FOR N120 NIKON DSLR SYSTEM**

	LENS	GEARS	GEAR /ADAPTOR	EXTENSION RING	LENS PORT	Original FOV*	Converted UW FOV*
FULL FRAME F MOUNT	Nikon AF-S 17-35mm f/2.8D IF-ED	19130 N1735-Z		21130 Extension ring 30 with lock	85204 WACP-2	104° ~ 63°	123° ~ 72°
	Nikon AF-S NIKKOR 16-35mm f/4G ED VR	19138 N1635-Z		21150 Extension ring 50 with lock (Slightly vignetting at 16mm)	85204 WACP-2	105° ~ 63°	128° ~ 72°
		19142 N1635-F		21240 N120 Extension ring 40 with focus knob	85204 WACP-2	105° ~ 63°	128° ~ 72°
FULL FRAME Z MOUNT	Nikkor Z 14-30mm f/4 S	19156 NZ1430-Z			85204 WACP-2	114° ~ 72°	140° ~ 81°

**WIDE ANGLE CONVERSION PORT -2 (WACP-2)  
FOR N120 CANON DSLR SYSTEM**

	LENS	GEARS	GEAR /ADAPTOR	EXTENSION RING	LENS PORT	Original FOV*	Converted UW FOV*
FULL FRAME EF MOUNT or R MOUNT with EF-R ADAPTER	Canon EF 16-35mm f/2.8L II USM	19527 C1635II-Z		21130 Extension ring 30 with lock	85204 WACP-2	105° ~ 63°	128° ~ 72°
		19542 C1635II-F		21230 N120 Extension ring 30 with focus knob	85204 WACP-2	105° ~ 63°	128° ~ 72°
	Canon EF 16-35mm f/2.8L III USM	19554 C1635III-Z		21150 Extension ring 50 with lock	85204 WACP-2	105° ~ 63°	128° ~ 72°
		19555 C1635III-F		21250 N120 Extension ring 50 with focus knob	85204 WACP-2	105° ~ 63°	128° ~ 72°
	Canon EF 16-35mm F4L IS USM	19548 C1635f4-Z		21130 Extension ring 30 with lock	85204 WACP-2	105° ~ 63°	128° ~ 72°
		19572 WC1635f4-F		21235 N120 Extension ring 35 with focus knob	85204 WACP-2	105° ~ 63°	128° ~ 72°
FULL FRAME R MOUNT	Canon RF 15-35mm f/2.8L IS USM	19569 CR1535-Z		21135 N120 Extension ring 35 with lock	85204 WACP-2	110° ~ 63°	133° ~ 72°
		19571 WCR1535-F		21235 N120 Extension ring 35 with focus knob	85204 WACP-2	110° ~ 63°	133° ~ 72°
APS-C EF MOUNT	Canon EF-S 10-22mm f/3.5-4.5 USM	19525 C1022-Z		21110 Extension ring 10 with screws	85204 WACP-2	108° ~ 63°	128° ~ 72°
	Canon EF-S 10-18mm f/4.5-5.6 IS STM	19549 C1018-Z			85204 WACP-2	108° ~ 75°	128° ~ 85°
	Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	19530 TC1116-Z		21110 Extension ring 10 with screws	85204 WACP-2	100° ~ 79°	118° ~ 92°
	Tokina AT-X 11-20 F2.8 PRO DX AF 11-20mm F2.8	19573 CT1120-Z		21120 Extension ring 20 with lock	85204 WACP-2	100° ~ 68°	118° ~ 78°
FF-MIL4K (ex.R5) R MOUNT with EF-R ADAPTER	Canon EF-S 10-22mm f/3.5-4.5 USM	19525 C1022-Z		21110 Extension ring 10 with screws	85204 WACP-2	-	-
	Canon EF-S 10-18mm f/4.5-5.6 IS STM	19549 C1018-Z			85204 WACP-2	-	-
	Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	19530 TC1116-Z		21110 Extension ring 10 with screws	85204 WACP-2	-	-
	Tokina AT-X 11-20 F2.8 PRO DX AF 11-20mm F2.8	19573 CT1120-Z		21120 Extension ring 20 with lock	85204 WACP-2	-	-

**WIDE ANGLE CONVERSION PORT -2 (WACP-2)  
for N120 C200 & RED™ & EVA1 & BMPCC6K**

	LENS	GEARS	GEAR /ADAPTOR	EXTENSION RING	LENS PORT	Original FOV*	Converted UW FOV*
SUPER 35 CANON EF MOUNT	Canon EF 16-35mm f/2.8L III USM	16325 RC1635III-Z	16325 RC1635III-F	21150 Extension ring 50 with lock	85204 WACP-2	89° ~ 47°	~99°
	Canon EF 16-35mm f/2.8L II USM	19527 C1635II-Z	19542 C1635II-F	21130 Extension ring 30 with lock	85204 WACP-2	89° ~ 47°	~99°
	Canon EF 16-35mm F4L IS USM	16317 RC1635f4-Z	16318 RC1635f4-F	21130 Extension ring 30 with lock	85204 WACP-2	89° ~ 47°	~99°
	Canon EF-S 10-22mm f/3.5-4.5 USM	16303 RC1022-Z	16304 RC1022-F	21110 Extension ring 10 with screws	85204 WACP-2	114° ~ 69°	140°-78°
	Canon EF-S 10-18mm f/4.5-5.6 IS STM	16340 RC1018-Z	16340 RC1018-F		85204 WACP-2	114° ~ 89°	140°-99°
	Tokina AT-X 116 PRO DX AF 11-16mm f/2.8	16309 RTC1116-Z	16310 RTC1116-F	21110 Extension ring 10 with screws	85204 WACP-2	110° ~ 81°	133°-93°
	Tokina AT-X 11-20 F2.8 PRO DX AF 11-20mm F2.8	16328 RTC1120-Z	16328 RTC1120-F	21120 Extension ring 20 with lock	85204 WACP-2	110° ~ 75°	133°-85°

**WIDE ANGLE CONVERSION PORT -2 (WACP-2)  
for N120 PANASONIC SYSTEM**

	LENS	GEARS	GEAR /ADAPTOR	EXTENSION RING	LENS PORT	Original FOV*	Converted UW FOV*
FULL FRAME L MOUNT	Panasonic Lumix S PRO 16-35mm f/4	19728 PL1635-Z			85204 WACP-2	105° ~ 63°	128°-72°
	Sigma 14-24mm F2.8 DG DN	19726 SLE1424-Z		21125 N120 Extension Ring 25 with Lock <i>*working range: 20-24mm</i>	85204 WACP-2	94° ~ 84°	115°-98°

**WIDE ANGLE CONVERSION PORT -2 (WACP-2)  
for N120 FUJIFILM SYSTEM**

	LENS	GEARS	GEAR /ADAPTOR	EXTENSION RING	LENS PORT	Original FOV*	Converted UW FOV*
MEDIUM FORMAT GF MOUNT	FUJINON GF 23mmF4 R LM WR			21120 Extension ring 20 with lock	85204 WACP-2	86°	120°
	Laowa 17mm f/4 GFX Zero-D	19824 GL17-A	19825 GL17-F	21235 N120 Extension ring 35 with knob	85204 WACP-2	114°	140°

**WIDE ANGLE CONVERSION PORT -2 (WACP-2)  
for N100 Sony A7IV/A7RIII/A9II/A9/A7II/A7R II/A7S II SYSTEM**

	LENS	GEARS	GEAR /ADAPTOR	EXTENSION RING	LENS PORT	Original FOV*	Converted UW FOV*
FULL FRAME SONY E MOUNT	Sony SEL1635GM FE 16-35mm F2.8 GM	37155 SFE1635GM-Z	37305 N100 to N120 35.5mm Port adaptor II	21130 Extension ring 30 with lock	85204 WACP-2	105° ~ 63°	128°-72°
		37156 SFE1636GM-F					
	Sony SEL1635Z Vario-Tessar T* FE 16-35mm F4 ZA OSS	37145 SE1635-Z	37305 N100 to N120 35.5mm Port adaptor II	21110 Extension ring 10 with screws	85204 WACP-2	105° ~ 63°	128°-72°
		37146 SE1635-F					
	Tamron 17-28mm f/2.8 Di III RXD	37157 STE1728-Z	37305 N100 to N120 35.5mm Port adaptor II		85204 WACP-2	104° ~ 75°	123°-85°
		37157 STE1728-F					
	Sigma 14-24mm F2.8 DG DN	19726 SLE1424-Z	37305 N100 to N120 35.5mm Port adaptor II	21125 N120 Extension Ring 25 with Lock <i>*working range: 20-24mm</i>	85204 WACP-2	94° ~ 84°	115°-98°

**Extended MWL (EMWL) PORT SYSTEM**

	LENS	Ports	EMWL Focusing units	Original FOV*	EMWL Objective lenses	Converted UW FOV*
N120 NIKON	Nikon AF-S VR Micro Nikkor 105mm f/2.8G IF-ED	18702 Macro port 87	87201 Focusing Unit #1	23.33°	87221 60° Objective Lens 87222 100° Objective Lens 87223 130° Objective Lens	~60° ~100° ~130°
	Nikon AF-S Micro NIKKOR 60mm f/2.8G ED with +2 Close-up diopter	18701 Macro port 60	87203 Focusing Unit #3	26.5°	87221 60° Objective Lens 87222 100° Objective Lens 87223 130° Objective Lens	~60° ~100° ~130°
N120 CANON	Canon EF 100mm f/2.8L Macro IS USM	18703 Macro port 94	87202 Focusing Unit #2	24°	87221 60° Objective Lens 87222 100° Objective Lens 87223 130° Objective Lens	~60° ~100° ~130°
	Canon EF-S 60mm f2.8 Macro USM	18704 Macro port 41	87202 Focusing Unit #2	24.5°	87221 60° Objective Lens 87222 100° Objective Lens 87223 130° Objective Lens	~60° ~100° ~130°
N120 PANASONIC	Canon EF 100mm f/2.8L Macro IS USM	18703 Macro port 94	87202 Focusing Unit #2	24°	87221 60° Objective Lens 87222 100° Objective Lens 87223 130° Objective Lens	~60° ~100° ~130°
N120 FUJIFILM	Fujinon GF 120mm f4R macro Lens	18701 + 21160 Macro port 60 + Extension ring 60 with lock	87205 Focusing unit #4	25°	87221 60° Objective Lens 87222 100° Objective Lens 87223 130° Objective Lens	~60° ~100° ~130°
N100 SONY	Sony SEL90M28G FE 90mm F2.8 Macro G OSS	37126 N100 Macro port 105	87203 Focusing Unit #3	27°	87221 60° Objective Lens 87222 100° Objective Lens 87223 130° Objective Lens	~60° ~100° ~130°
N85 M 4 3	Olympus M.Zuiko Digital ED 60mm f2.8 Macro	36163 Macro port 65	87201 Focusing Unit #1	20°	87221 60° Objective Lens 87222 100° Objective Lens 87223 130° Objective Lens	~60° ~100° ~130°
	Panasonic LEICA DG MACRO-ELMARIT 45mm F2.8 ASPH. MEGA O.I.S.	36135 Macro port 45	87203 Focusing Unit #3	27°	87221 60° Objective Lens 87222 100° Objective Lens 87223 130° Objective Lens	~60° ~100° ~130°

\* FOV is calculated based on using with full frame sensor, all FOV figure is an approximate number.