



N120/N100 FISHEYE CONVERSION PORT WITH INTEGRATED FLOAT COLLAR FCP-1

170 DEG. FOV WITH COMPATIBLE 28MM LENSES

	CAMERA LENS	GEAR	PORT ADAPTOR / EXTENSION RING	EXTENSION RING / PORT CONVERTER	PORT	OPTICAL PERFORMANCE	
N120 CINEMA SYSTEM EF & RF-MOUNT (RED, CANON, PANASONIC, ZOOM, BLACKMAGIC)	STANDARD ZOOM FULL FRAME	Canon RF 24-50mm F4.5-6.3 IS STM	16347 RF2450 Gear Set	22120 N120 Extension Ring 20 II	85207 N120/N100 FCP-1	On APS-C Sensor Lens FOV 59-30° Converted FOV 114-57° On Full Frame Sensor Lens FOV 75-46° Converted FOV 170-87° Zoom Range 28-50mm	
	WIDE ANGLE FULL FRAME	Canon EF 28-80mm f/3.5-5.6 V Lens	16344 C2880VISM Gear Set	22110 + 22130 N120 Extension Ring 10 II + N120 Extension Ring 20 II	85207 N120/N100 FCP-1 * slight vignetting at 28mm - 31mm	On Full Frame Sensor Lens FOV 75-30° Converted FOV 170-57°	
N120 CINEMA SYSTEM Z-MOUNT (RED, CANON, PANASONIC, ZOOM, BLACKMAGIC)	STANDARD ZOOM FULL FRAME	Nikkor Z 24-50mm f/4-6.3 Lens	TBD Gear Set		85207 N120/N100 FCP-1	On Full Frame Sensor Lens FOV 75-47° Converted FOV 170-87° Zoom Range 28-50mm	
	WIDE ANGLE FULL FRAME	Canon RF 14-35mm f/4L IS USM IS STM Lens	16342 RF1435 Gear Set	22140 N120 Extension Ring 40 II	85207 N120/N100 FCP-1	On APS-C Sensor Lens FOV 75-42° Converted FOV 170-78° Zoom Range 18-35mm On Full Frame Sensor Lens FOV 75-63° Converted FOV 170-122° Zoom Range 28-35mm * slight vignetting at 28mm Circular Fisheye (remove shade) Converted FOV 180° Zoom Range at 14mm only	
N120 NIKON F-MOUNT	STANDARD ZOOM FX	Nikon AF-S Nikkor 28mm f/1.8 G	19148 N2870FS.SD-Z	22135 N120 Extension Ring 25 II	85207 N120/N100 FCP-1	Lens FOV 75° Converted FOV 170°	
	WIDE ANGLE FX	Nikon AF-S NIKKOR 16-35mm f/4G ED VR	19138 N1635-Z	22180 N120 Extension Ring 80 II	85207 N120/N100 FCP-1	On DX Sensor Lens FOV 72-44° Converted FOV 158-83° Zoom Range 20-35mm On Full Frame Sensor Lens FOV 75-63° Converted FOV 170-122° Zoom Range 28-35mm * slight vignetting at 28mm	
	STANDARD ZOOM FX	Nikon AF-S 17-35mm f/2.8D IF-ED	19130 N1735-Z	22160 N120 Extension Ring 60 II	85207 N120/N100 FCP-1	On DX Sensor Lens FOV 72-44° Converted FOV 170-83° Zoom Range 18-35mm On Full Frame Sensor Lens FOV 75-63° Converted FOV 170-122° Zoom Range 28-35mm	
	WIDE ANGLE FX	Nikkor Z 24-50mm f/4-6.3 Lens	19165 (V1) / 19232 (V2) N22850-Z with limitor ring (V1) / Z2850-Z with limitor ring (V2)	22130 N120 Extension Ring 30 II	22135 N120 Extension Ring 25 II	85207 N120/N100 FCP-1	Lens FOV 75-47° Converted FOV 170-87° Zoom Range 28-50mm
N120 NIKON Z-MOUNT (Z/II / Z8 / Z9)	STANDARD ZOOM FX	Nikkor Z 24-70mm f/2.8 S II Lens	19236 (V1) N22470H-Z (V1)	22130 N120 Extension Ring 30 II	22135 N120 Extension Ring 25 II	85207 N120/N100 FCP-1	Lens FOV 75-34° Converted FOV 170-62° Zoom Range 28-70mm * slight vignetting at 28mm
	WIDE ANGLE FX	Nikkor Z 14-30mm f4 S Lens	19156 (V1) / 19203 (V2) N21430-Z (V1) / Z1430-Z (V2)	22135 N120 Extension Ring 25 II	85207 N120/N100 FCP-1	Lens FOV 75-72° Converted FOV 170-158° Zoom Range 28-30mm Circular Fisheye (remove shade) Converted FOV 180° Zoom Range at 14mm only	
	STANDARD ZOOM FX	Nikkor Z 24-50mm f/4-6.3 Lens	19232 (V3) / 19233 (V3) N22450-Z (V3) / Z2850-Z with limitor ring (V3)	22125 N120 Extension Ring 25 II	85207 N120/N100 FCP-1	Lens FOV 75-47° Converted FOV 170-87° Zoom Range 28-50mm	
	WIDE ANGLE FX	Nikkor Z 24-70mm f/2.8 S II Lens	19236 (V3) N22470H-Z (V3)	22190 N120 Extension Ring 90 II	85207 N120/N100 FCP-1	Lens FOV 75-34° Converted FOV 170-62° Zoom Range 28-70mm * slight vignetting at 28mm	
N120 NIKON Z-MOUNT (Z/III / Z5II)	STANDARD ZOOM FX	Nikkor Z 24-50mm f/4-6.3 Lens	19201 (V2) / 19232 (V3) / 19233 (V3) N22450-Z (V2) / Z2450-Z (V3) / Z2850-Z with limitor ring (V3)	22125 N120 Extension Ring 25 II	85207 N120/N100 FCP-1	Lens FOV 75-47° Converted FOV 170-87° Zoom Range 28-50mm	
	WIDE ANGLE FX	Nikkor Z 24-70mm f/2.8 S II Lens	19236 (V3) N22470H-Z (V3)	22190 N120 Extension Ring 90 II	85207 N120/N100 FCP-1	Lens FOV 75-34° Converted FOV 170-62° Zoom Range 28-70mm * slight vignetting at 28mm	
	STANDARD ZOOM E-MOUNT	Sony FE 28-60mm f4-5.6 OSS with Megadap ETZ 21+ Autofocus Adapter	19237 ZS2860-Z	22120 N120 Extension Ring 20 II	85207 N120/N100 FCP-1	Lens FOV 75-40° Converted FOV 170-74° * slight vignetting at 28mm	
	WIDE ANGLE FX	Nikkor Z 14-30mm f/4 S	19235 (V3) Z1430-Z (V3)	22160 N120 Extension Ring 60 II	85207 N120/N100 FCP-1	Lens FOV 75-72° Converted FOV 170-158° Zoom Range 28-30mm Circular Fisheye (remove shade) Converted FOV 180° Zoom Range at 14mm only	
N120 CANON EF-MOUNT (Z/III / Z5II)	STANDARD ZOOM FULL FRAME	Canon EF 28mm f1.8 USM	19599 CR2870FS.SII-Z	22110 N120 Extension Ring 10 II	85207 N120/N100 FCP-1	Lens FOV 75° Converted FOV 170°	
	STANDARD ZOOM FULL FRAME	Canon EF 28-70mm f/3.5-5.6 II	19557 C2870FS.SII-Z	22135 N120 Extension Ring 35 II	85207 N120/N100 FCP-1 * slight vignetting at 28mm - 31mm	Lens FOV 75-34° Converted FOV 170-62°	
	STANDARD ZOOM FULL FRAME	Canon EF 28-80mm f/3.5-5.6 V USM	19559 C2880FS.5V-Z	22110 + 22130 N120 Extension Ring 10 II + N120 Extension Ring 30 II	85207 N120/N100 FCP-1 * slight vignetting at 28mm - 31mm	Lens FOV 75-30° Converted FOV 170-57°	
	WIDE ANGLE FULL FRAME	Canon EF 16-35mm f/4 IS USM	19548 C1635F4-Z	22170 N120 Extension Ring 70 II	85207 N120/N100 FCP-1	On APS-C Sensor Lens FOV 75-42° Converted FOV 170-78° Zoom Range 18-35mm On Full Frame Sensor Lens FOV 75-63° Converted FOV 170-122° Zoom Range 28-35mm	
N120 CANON RF-MOUNT (Z/III / Z5II)	STANDARD ZOOM FULL FRAME	Canon RF 24-50mm f/4.5-6.3 IS STM	19599 CR2850-Z with limitor ring	22120 N120 Extension Ring 20 II	85207 N120/N100 FCP-1	Lens FOV 75-46° Converted FOV 170-87° Zoom Range 28-50mm	
	WIDE ANGLE FULL FRAME	Canon RF 14-35mm f/4L IS USM IS STM Lens	19574 CR1435-Z	22140 N120 Extension Ring 40 II	85207 N120/N100 FCP-1 * slight vignetting at 28mm	Lens FOV 75-43° Converted FOV 170-122° Zoom Range 28-35mm Circular Fisheye (remove shade) Converted FOV 180° Zoom Range at 14mm only	
N120 CANON RF-MOUNT (Z/50)	STANDARD ZOOM FULL FRAME	Canon RF 24-50mm f/4.5-6.3 IS STM	19633 / 19635 RF2450-Z / RF2850-Z with limitor ring	22140 N120 Extension Ring 40 II	85207 N120/N100 FCP-1	Lens FOV 75-46° Converted FOV 170-87° Zoom Range 28-50mm	
	WIDE ANGLE FULL FRAME	Canon RF 14-35mm f/4L IS USM IS STM Lens	19632 RF1435-Z	22160 N120 Extension Ring 60 II	85207 N120/N100 FCP-1 * slight vignetting at 28mm	Lens FOV 75-43° Converted FOV 170-122° Zoom Range 28-35mm Circular Fisheye (remove shade) Converted FOV 180° Zoom Range at 14mm only	
N120 PANASONIC L-MOUNT	STANDARD ZOOM CANON EF-MOUNT	Canon EF 28-70mm f/3.5-5.6 II with Sigma Mount Converter MC-21	19557 CR2870FS.SII-Z	22135 N120 Extension Ring 35 II	85207 N120/N100 FCP-1 * slight vignetting at 28mm - 31mm	Lens FOV 75-34° Converted FOV 170-62°	
	STANDARD ZOOM MEDIUM FORMAT	Fujifilm GF 35-70mm f/4.5-5.6 WR	19826 GF3570-Z	22150 N120 Extension Ring 50 II	85207 N120/N100 FCP-1	Lens FOV 75-43° Converted FOV 170-80°	
N100 CANON RF-MOUNT APS-C	STANDARD ZOOM	Canon RF-S 18-45mm f/4.5-6.3 IS STM	19596 CRS1845-Z	37482 / 37432 N100 Extension Ring 30 II + N100 Extension Ring 40 II	85207 N120/N100 FCP-1	Lens FOV 74-34° Converted FOV 170-62°	
	STANDARD ZOOM FULL FRAME	Sony SEL2860 FE 28-60mm F4-5.6	37163 SFE2860-Z	37408 / 37431 N100 Extension Ring 35 II N100 Extension Ring 35 II	85207 N120/N100 FCP-1 * slight vignetting at 28mm	Lens FOV 75-40° Converted FOV 170-74° * slight vignetting at 28mm	
N100 SONY E-MOUNT	STANDARD ZOOM FULL FRAME	Sony SEL2870 FE 28-70mm F3.5-5.6 OSS	37141 SE2870-Z	37430 + 37430 N100 Extension Ring 30 II + N100 Extension Ring 40 II	85207 N120/N100 FCP-1	Lens FOV 75-34° Converted FOV 170-62°	
	STANDARD ZOOM FULL FRAME	Sony FE 14mm f/1.8 GM	37163 SFE14MM-Z	37408 / 37431 N100 Extension Ring 35 II N100 Extension Ring 35 II	85207 N120/N100 FCP-1	Lens FOV 75-40° Converted FOV 170-74° * slight vignetting at 28mm	
	STANDARD ZOOM FULL FRAME	Sony FE 14mm f/1.8 GM	37163 SFE14MM-Z	37408 / 37431 N100 Extension Ring 35 II N100 Extension Ring 35 II	85207 N120/N100 FCP-1	Lens FOV 75-40° Converted FOV 170-74° * slight vignetting at 28mm	
	STANDARD ZOOM FULL FRAME	Sony FE 14mm f/1.8 GM	37163 SFE14MM-Z	37408 / 37431 N100 Extension Ring 35 II N100 Extension Ring 35 II	85207 N120/N100 FCP-1	Lens FOV 75-40° Converted FOV 170-74° * slight vignetting at 28mm	
	STANDARD ZOOM FULL FRAME	Sony FE 14mm f/1.8 GM	37163 SFE14MM-Z	37408 / 37431 N100 Extension Ring 35 II N100 Extension Ring 35 II	85207 N120/N100 FCP-1	Lens FOV 75-40° Converted FOV 170-74° * slight vignetting at 28mm	
	STANDARD ZOOM FULL FRAME	Sony FE 14mm f/1.8 GM	37163 SFE14MM-Z	37408 / 37431 N100 Extension Ring 35 II N100 Extension Ring 35 II	85207 N120/N100 FCP-1	Lens FOV 75-40° Converted FOV 170-74° * slight vignetting at 28mm	

85207 N120/N100 Fisheye Conversion Port with Integrated Float Collar (FCP-1) 170 deg. FOV with compatible 28mm lenses

Specifications

Dimension (mm)	:	DIA 198 x H 136 (from port mount to front lens element)
Weight in Air	:	3.20 kg
Buoyancy in Water	:	Negative 0.40 kg
Body Construction	:	Hand-anodized aluminum alloy
Lens Coating	:	6 Elements in 5 Groups
Lens Coating	:	Anti-corrosion coating outside of dome
Focus Distance	:	Anti-reflection coating on other surfaces
Maximum FOV (underwater)	:	From front element of lens to infinity
Lens Mount	:	170° (Ref. 28mm equivalent)
Depth Rating	:	180° circular fisheye (Ref 14mm equivalent) * remove shade
Pre-installed	:	N120/N100 Port Mount
	:	100m
	:	Integrated aluminium float collar

Package includes

- FCP-1 with integrated float collar
- Removable shade
- N120 port mount with cap (preinstalled)
- N100 port mount ring with cap
- Front hard lens cap
- Rear lens caps
- 90140 N120 Port O-ring
- 90141 N100 Port O-ring
- Cleaning Cloth
- Lubricant
- Padded carrying bag

Last Updated : 2026-03-27

* This port chart is subject to updating as new information becomes available