



## 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<br>C60-F              | 18211<br>Compact Port Base                                   |  | 18704<br>Macro Port 41  | SMC/CMC Option 1 - M67 Thread<br><b>81228</b><br>M67 Spacer Ring for SMC/CMC<br><i>(included in all SMC/CMC packaging)</i>           | 81302<br>CMC - 2                                 | Max. Magnification 1.6X<br>Working Distance 38-120mm  |
|                                    |   |                             |  |  |   |  | 81201<br>SMC - 1                                 | Max. Magnification 1.6X<br>Working Distance 28-94mm   |
|                                    |   |                             |  |  |   | SMC/CMC Option 2 - Bayonet Mount<br><b>83250 + 83214</b><br>M67 to Bayonet Mount Converter II +<br>Bayonet Mount Adaptor for SMC/CMC | 81302<br>CMC - 2                                 | Max. Magnification 1.6X<br>Working Distance 38-120mm  |
|                                    |   |                             |  |  |   |  | 81201<br>SMC - 1                                 | Max. Magnification 1.6X<br>Working Distance 28-94mm   |
|                                    |   |                             |  |  | 18303<br>Compact Port 15  | <b>83250</b><br>M67 to Bayonet Mount Converter II  | 87302<br>EMWL Set #2                             | Lens FOV 24.5°<br>Converted FOV 60°/100°/130°/160°    |
| MACRO FULL FRAME                   | Laowa 24mm f/14 2X Macro Probe  | 19155<br>N120 DSLR Gear Set |  | 21271 / 22170 + 22171<br>N120 Extension Ring 70 I / II +<br>Focus Knob | 16336<br>N120 Port Adaptor for<br>Laowa 24mm f/14 2X                  |  |  |   |
|                                    | Canon EF 40mm f2.8 STM<br><i>* This setup can only be used on APS-C sensor camera</i> |                             |  |  | 18706<br>Macro Port 12  | <b>83250</b><br>M67 to Bayonet Mount Converter II<br><i>(included in all MWL-1 packaging)</i>  | 86201<br>MWL - 1                                 | On APS-C Sensor<br>Lens FOV 37°<br>Converted FOV 135° |
|                                    | Canon MP-E 65mm f/2.8 1-5x  | 19539<br>C65-F              | 18211<br>Compact Port Base                                   | 18550<br>Compact Port Extension 50                                     | 18306<br>Compact Port 50 with M67 Thread<br><i>* magnification 3X</i> |  |  |   |
|                                    |   |                             |  | 18550 + 18530<br>Compact Port Extension 50 + 30                        | 18306<br>Compact Port 50 with M67 Thread<br><i>* magnification 4X</i> |  |  |   |
|                                    |   |                             | 18550 + 18530 + 18530<br>Compact Port Extension 50 + 30 + 30 | 18306<br>Compact Port 50 with M67 Thread<br><i>* magnification 5X</i>  |   |  |  |   |
| Canon EF 100mm f2.8 Macro USM      | 19522<br>C100-F   |                             |  |  | 18702<br>Macro Port 87  | SMC/CMC Option 1 - M67 Thread<br><b>81228</b><br>M67 Spacer Ring for SMC/CMC<br><i>(included in all SMC/CMC packaging)</i>           | 81201<br>SMC - 1                                 | Max. Magnification 2.6X<br>Working Distance 53-93mm   |
|                                    |   |                             |  |  |   |  | 81202<br>SMC - 2                                 | Max. Magnification 4.3X<br>Working Distance 28-38mm   |
|                                    |   |                             |  |  |   | SMC/CMC Option 2 - Bayonet Mount<br><b>83250 + 83214</b><br>M67 to Bayonet Mount Converter II +<br>Bayonet Mount Adaptor for SMC/CMC | 81201<br>SMC - 1                                 | Max. Magnification 2.6X<br>Working Distance 53-93mm   |
|                                    |   |                             |  |  |   |  | 81202<br>SMC - 2                                 | Max. Magnification 4.3X<br>Working Distance 28-38mm   |
|                                    |   |                             |  |  | <b>83250</b><br>M67 to Bayonet Mount Converter II                     | 87301<br>EMWL Set #1   | Lens FOV 24°<br>Converted FOV 60°/100°/130°/160° |   |
| Canon EF 100mm f/2.8L Macro IS USM | 19523<br>C100IS-F   |                             |  |  | 18703<br>Macro Port 94  | SMC/CMC Option 1 - M67 Thread<br><b>81228</b><br>M67 Spacer Ring for SMC/CMC<br><i>(included in all SMC/CMC packaging)</i>           | 81201<br>SMC - 1                                 | Max. Magnification 2.2X<br>Working Distance 45-89mm   |
|                                    |   |                             |  |  |   |  | 81202<br>SMC - 2                                 | Max. Magnification 3.6X<br>Working Distance 22-36mm   |

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 /<br>PORT ADAPTOR                    | EXTENSION RING/<br>PORT ADAPTOR                | PORT   | MOUNT CONVERTER  | WET<br>LENS  | OPTICAL PERFORMANCE                                 |   |
|--|--|-----------------------|--|--|--|--|--|---|---|
| MACRO<br>FULL FRAME  | Canon EF 100mm<br>f/2.8L Macro IS USM  | 19523<br>C100IS-F     |  |  | 18703<br>Macro Port 94                         | SMC/CMC Option 2 - Bayonet Mount<br><b>83250 + 83214</b><br>M67 to Bayonet Mount Converter II +<br>Bayonet Mount Adaptor for SMC/CMC | 81201<br>SMC - 1   | Max. Magnification 2.2X<br>Working Distance 45-89mm |   |
|  |  |                       |  |  |  |  | 81202<br>SMC - 2   | Max. Magnification 3.6X<br>Working Distance 22-36mm |   |
|  |  |                       |  |  |  | 83250<br>M67 to Bayonet Mount Converter II   | 87302<br>EMWL Set #2   | Lens FOV 23.4°<br>Converted FOV 60°/100°/130°/160°  |   |
|  | Canon EF 180mm<br>f/3.5L Macro USM     |                       |  |  | 21160 / 22160<br>N120 Extension Ring 60 I / II | 18703<br>Macro Port 94   | SMC/CMC Option 1 - M67 Thread<br><b>81228</b><br>M67 Spacer Ring for SMC/CMC<br><i>(included in all SMC/CMC packaging)</i>           | 81201<br>SMC - 1                                    | Max. Magnification 3.6X<br>Working Distance 63-92mm |
|  |  |                       |  |  |  |  | SMC/CMC Option 2 - Bayonet Mount<br><b>83250 + 83214</b><br>M67 to Bayonet Mount Converter II +<br>Bayonet Mount Adaptor for SMC/CMC | 81201<br>SMC - 1                                    | Max. Magnification 3.6X<br>Working Distance 63-92mm |
|  | Sigma 50mm<br>F2.8 EX DG Macro         |                       |  | 18211<br>Compact Port Base                     | 18520<br>Compact Port Extension 20             | 18303<br>Compact Port 15   |  |   |   |
|  | Sigma 70mm<br>F2.8 EX DG Macro         |                       |  |  |  |  | 18211<br>Compact Port Base   | 18530<br>Compact Port Extension 30                  | 18302<br>Compact Port 50                            |
|  |  |                       |  |  |  |  | 18211<br>Compact Port Base   | 18550<br>Compact Port Extension 50                  | 18301<br>Compact Port 30                            |
|  | Sigma 105mm<br>F2.8 EX DG OS HSM Macro |                       | 19553<br>SC105-F                               |  | 21130 / 22130<br>N120 Extension Ring 30 I / II | 18701<br>Macro Port 60   | SMC/CMC Option 1 - M67 Thread<br><b>81228</b><br>M67 Spacer Ring for SMC/CMC<br><i>(included in all SMC/CMC packaging)</i>           | 81201<br>SMC - 1                                    | Max. Magnification 2.6X<br>Working Distance 50-90mm |
|  |  |                       |  |  |  |  |  | 81202<br>SMC - 2                                    | Max. Magnification 3.3X<br>Working Distance 31-38mm |
| SMC/CMC Option 2 - Bayonet Mount<br><b>83250 + 83214</b><br>M67 to Bayonet Mount Converter II +<br>Bayonet Mount Adaptor for SMC/CMC |  |                       |  |  |  |  | 81201<br>SMC - 1   | Max. Magnification 2.6X<br>Working Distance 50-90mm |   |
|  |  |                       |  |  |  |  | 81202<br>SMC - 2   | Max. Magnification 3.3X<br>Working Distance 31-38mm |   |
|  |  |                       |  |  |  | 83250<br>M67 to Bayonet Mount Converter II   | 87301<br>EMWL Set #1   | Lens FOV 24°<br>Converted FOV 60°/100°/130°/160°    |   |
| STANDARD ZOOM<br>APSC  | Canon EF-S 18-55mm<br>f/3.5-5.6 IS     | 19532<br>C1855IS-Z    | 18211<br>Compact Port Base                     |  | 18303<br>Compact Port 15                       |  |  |   |   |
|  | Canon EF-S 18-55mm<br>f/3.5-5.6 IS STM | 19547<br>C1855ISSTM-Z | 18211<br>Compact Port Base                     |  | 18303<br>Compact Port 15                       |  |  |   |   |
|  |  |                       |  |  |  | 21130 / 22130<br>N120 Extension Ring 30 I / II   | 85201<br>N120 WACP - 1   | Lens FOV 75-27.5°<br>Converted FOV 130-46°          |   |
|  |  |                       | 21325<br>N120 to N100 25mm<br>Port Adaptor     |  | 85205<br>N100 WACP - C                         | Lens FOV 75-27.5°<br>Converted FOV 130-46°   |  |   |   |
|  | Canon EF-S 18-135mm<br>f/3.5-5.6 IS    | 19524<br>C18135IS-Z   |  | 21160 / 22160<br>N120 Extension Ring 60 I / II | 18802<br>8.5" Acrylic Dome Port                |  |  |   |   |
|  | Sigma 17-70mm<br>F2.8-4.5 DC Macro     | 19533<br>SC1770-Z     |  | 21150 / 22150<br>N120 Extension Ring 50 I / II | 18802<br>8.5" Acrylic Dome Port                |  |  |   |   |
| Sigma 17-70mm<br>F2.8-4 DC Macro OS HSM  | 19534<br>SC17700S-Z                    |                       | 21140 / 22140<br>N120 Extension Ring 40 I / II | 18802<br>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   | OPTICAL PERFORMANCE                        |
|------------------------------------|-------------------------------------|-----------------------|--|---|--|--|
| <b>STANDARD ZOOM</b><br>APSC       | Sigma 18-35mm<br>F1.8 DC HSM   A    | 19552<br>SC1835f.18-Z |  | 21180 / 22180<br>N120 Extension Ring 80 I / II  | * 85202<br>N120 WACP-1<br>for Sigma 18-35mm F1.8 | Lens FOV 76.5-44°<br>Converted FOV 132-76° |
|                                    |                                     |                       |  |   | 18802<br>8.5" Acrylic Dome Port                  |  |
|                                    |                                     |                       |  |   | * 18809<br>180mm Optical Glass Wide Angle Port   |  |
|                                    |                                     |                       |  |   | 18812<br>230mm Optical Glass Wide Angle Port II  |  |
|                                    |                                     |                       |  | 21130 + 21135 / 22130 + 22135<br>N120 Extension Ring 30 I + 35 I /<br>N120 Extension Ring 30 II + 35 II | 85201<br>N120 WACP - 1                           | Lens FOV 76.5-44°<br>Converted FOV 132-76° |
|                                    |                                     |                       |  | 21140 / 22140 + 21325<br>N120 Extension Ring 40 I / II +<br>N120 to N100 25mm Port Adaptor              | 85205<br>N100 WACP - C                           | Lens FOV 76.5-44°<br>Converted FOV 132-76° |
|                                    |                                     |                       |  | 21150 + 21150 / 22150 + 22150<br>N120 Extension Ring 50 I + 50 I /<br>N120 Extension Ring 50 II + 50 II | 18815<br>250mm Optical Glass Wide Angle Port II  |  |
| <b>STANDARD ZOOM</b><br>FULL FRAME | Canon EF 24mm<br>f/1.4L II USM      |                       |  | 21140 / 22140<br>N120 Extension Ring 40 I / II  | 18802<br>8.5" Acrylic Dome Port                  |  |
|                                    | Canon EF 24-70mm<br>f/2.8L II USM   | 19543<br>C2470II-Z    |  | 21170 / 22170<br>N120 Extension Ring 70 I / II  | 18802<br>8.5" Acrylic Dome Port                  |  |
|                                    | Canon EF 24-70mm<br>f/4L IS USM     | 19544<br>C2470f4-Z    |  | 21170 / 22170<br>N120 Extension Ring 70 I / II  | 18802<br>8.5" Acrylic Dome Port                  |  |
|                                    | Canon EF 24-105mm<br>f/4L IS USM    | 19545<br>C24105-Z     |  | 21170 / 22170<br>N120 Extension Ring 70 I / II  | 18802<br>8.5" Acrylic Dome Port                  |  |
|                                    | Canon EF 24-105mm<br>f/4L IS II USM | 19562<br>C24105II-Z   |  | 21170 / 22170<br>N120 Extension Ring 70 I / II  | 18802<br>8.5" Acrylic Dome Port                  |  |
|                                    |                                     |                       |  |   | * 18809<br>180mm Optical Glass Wide Angle Port   |  |
|                                    |                                     |                       |  |   | 18812<br>230mm Optical Glass Wide Angle Port II  |  |
|                                    |                                     |                       |  | 21190 / 22190<br>N120 Extension Ring 90 I / II  | 18815<br>250mm Optical Glass Wide Angle Port II  |  |
|                                    | Canon EF 28mm<br>f/1.8 USM          |                       |  |   | 85201<br>N120 WACP - 1                           | Lens FOV 75°<br>Converted FOV 130°         |
|                                    | Canon EF 28mm<br>f/2.8 USM          |                       |  |   | 85201<br>N120 WACP - 1                           | Lens FOV 75°<br>Converted FOV 130°         |
| Canon EF 28-70mm<br>f/3.5-4.5 II   | 19557<br>C2870f3.5II-Z              |                       | 21125 / 22125<br>N120 Extension Ring 25 I / II | * 85201<br>N120 WACP - 1  | Lens FOV 72-34°<br>Converted FOV 130-59°         |  |
|                                    |                                     |                       | 21325<br>N120 to N100 25mm<br>Port Adaptor     | 85205<br>N100 WACP - C  | Lens FOV 72-34°<br>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<br>FULL FRAME                    | Canon EF 28-70mm f/3.5-4.5 II       | 19557 + 19566<br>C2870f3.5II-Z + C2870f3.5II-F |  | 21230 / 22130 + 22131<br>N120 Extension Ring 30 I / II + Focus Knob | 85201<br>N120 WACP - 1                            |  |   | Lens FOV 72-34°<br>Converted FOV 125-59°<br>Zoom Range 30-70mm   |
|  | Canon EF 28-80mm f/3.5-5.6 II       | 19558<br>C2880f3.5II-Z                         |  | 21120 / 22120<br>N120 Extension Ring 20 I / II                      | 18705<br>Macro Port 45                            | 83250<br>M67 to Bayonet Mount Converter II<br><i>(included in all MWL-1 packaging)</i> | 86201<br>MWL - 1  | Lens FOV 36-30°<br>Converted FOV 135-113°<br>Zoom Range 66-80mm  |
|  |                                     |  |  | 21130 / 22130<br>N120 Extension Ring 30 I / II                      | 85201<br>N120 WACP - 1                            |  | Lens FOV 75-30°<br>Converted FOV 130-54°  |  |
|  |                                     |  | 21325<br>N120 to N100<br>25mm Port Adaptor |   | 85205<br>N100 WACP - C                            |  | <i>* slight vignetting when focus distance from port to subject is less than 10cm at 28mm</i> | Lens FOV 75-30°<br>Converted FOV 130-54°                         |
| STANDARD ZOOM<br>FULL FRAME                    | Canon EF 28-80mm f/3.5-5.6 V USM    | 19559<br>C2880f3.5V-Z                          |  | 21120 / 22120<br>N120 Extension Ring 20 I / II                      | 18705<br>Macro Port 45                            | 83250<br>M67 to Bayonet Mount Converter II<br><i>(included in all MWL-1 packaging)</i> | 86201<br>MWL - 1  | Lens FOV 37.5-30°<br>Converted FOV 138-93°<br>Zoom Range 63-80mm |
|  |                                     |  |  | 21130 / 22130<br>N120 Extension Ring 30 I / II                      | 85201<br>N120 WACP - 1                            |  | Lens FOV 75-31°<br>Converted FOV 130-54°  |  |
|  |                                     |  | 21325<br>N120 to N100<br>25mm Port Adaptor |   | 85205<br>N100 WACP - C                            |  | Lens FOV 75-31°<br>Converted FOV 130-54°  |  |
|  | Canon EF 35mm f/2 IS USM            |  |  |   | 85201<br>N120 WACP - 1                            |  |   | Lens FOV 63°<br>Converted FOV 109°                               |
| WIDE ANGLE<br>APS-C                            | Canon EF-S 10-18mm f/4.5-5.6 IS STM | 19549<br>C1018-Z                               |  |   | 85204<br>N120 WACP - 2                            |  |   | Lens FOV 108-75°<br>Converted FOV 128-85°                        |
|  |                                     |  |  | 21140 / 22140<br>N120 Extension Ring 40 I / II                      | 18809<br>180mm Optical Glass Wide Angle Port      |  |   |  |
|  |                                     |  |  | 21150 / 22150<br>N120 Extension Ring 50 I / II                      | 18802<br>8.5" Acrylic Dome Port                   |  |   |  |
|  |                                     |  |  |   | 18809<br>180mm Optical Glass Wide Angle Port      |  |   |  |
|  |                                     |  |  |   | * 18812<br>230mm Optical Glass Wide Angle Port II |  |   |  |
|  | Canon EF-S 10-22mm f/3.5-4.5 IS STM | 19525<br>C1022-Z                               |  | 21110<br>N120 Extension Ring 10                                     | 85204<br>N120 WACP - 2                            |  | <i>* This setup is only compatible with WACP-2 before SN:A526311</i>                          | Lens FOV 108-63°<br>Converted FOV 128-72°                        |
|  |                                     |  |  | 22110<br>N120 Extension Ring 10 II                                  | 85204<br>N120 WACP - 2                            |  | <i>* This setup is only compatible with WACP-2 SN:A526311 onwards</i>                         | Lens FOV 108-63°<br>Converted FOV 128-72°                        |
|  |                                     |  |  | 21150 / 22150<br>N120 Extension Ring 50 I / II                      | 18809<br>180mm Optical Glass Wide Angle Port      |  |   |  |
| 21160 / 22160<br>N120 Extension Ring 60 I / II |                                     |  |  | 18802<br>8.5" Acrylic Dome Port                                     |   |  |   |  |
|  |                                     |  |  | 18809<br>180mm Optical Glass Wide Angle Port                        |   |  |   |  |
|  |                                     |  |  | * 18812<br>230mm Optical Glass Wide Angle Port II                   |   |  |   |  |

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\* 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<br>APS-C                         | Sigma 8-16mm<br>F4.5-5.6 DC HSM     | 19536<br>SC816-Z                               | 21140 / 22140<br>N120 Extension Ring 40 I / II    | 18809<br>180mm Optical Glass Wide Angle Port      |                           |                    |
|   |                                     |  | 21150 / 22150<br>N120 Extension Ring 50 I / II    | 18802<br>8.5" Acrylic Dome Port                   |                           |                    |
|   |                                     |  |   | 18812<br>230mm Optical Glass Wide Angle Port II   |                           |                    |
|   |                                     |  |   | * 18815<br>250mm Optical Glass Wide Angle Port II |                           |                    |
|   | Sigma 10-20mm<br>F4.5-5.6 EX DC HSM | 19535<br>SC1020-Z                              | 21140 / 22140<br>N120 Extension Ring 40 I / II    | 18809<br>180mm Optical Glass Wide Angle Port      |                           |                    |
|   |                                     |  | 21150 / 22150<br>N120 Extension Ring 50 I / II    | 18802<br>8.5" Acrylic Dome Port                   |                           |                    |
|   |                                     |  |   | 18812<br>230mm Optical Glass Wide Angle Port II   |                           |                    |
|   |                                     |  |   | * 18815<br>250mm Optical Glass Wide Angle Port II |                           |                    |
|   | Tokina AT-X 11-20mm<br>F2.8 PRO DX  | 19573<br>CT1120-Z                              | 21120 / 22120<br>N120 Extension Ring 20 I / II    | 85204<br>N120 WACP - 2                            | Lens FOV<br>Converted FOV | 104-72°<br>118-78° |
|   |                                     |  | 21160 / 22160<br>N120 Extension Ring 60 I / II    | 18802<br>8.5" Acrylic Dome Port                   |                           |                    |
|   |                                     |  | 18809<br>180mm Optical Glass Wide Angle Port      |   |                           |                    |
|   |                                     |  | 18812<br>230mm Optical Glass Wide Angle Port II   |   |                           |                    |
|   |                                     |  | * 18815<br>250mm Optical Glass Wide Angle Port II |   |                           |                    |
| Tokina AT-X 116 PRO DX<br>AF 11-16mm f/2.8  | 19530<br>TC1116-Z                   | 21110<br>N120 Extension Ring 10                | 85204<br>N120 WACP - 2                            | Lens FOV<br>Converted FOV                         | 110-81°<br>133-92°        |                    |
|   |                                     | 22110<br>N120 Extension Ring 10 II             | 85204<br>N120 WACP - 2                            | Lens FOV<br>Converted FOV                         | 110-81°<br>133-92°        |                    |
|   |                                     | 21160 / 22160<br>N120 Extension Ring 60 I / II | 18802<br>8.5" Acrylic Dome Port                   |   |                           |                    |
|   |                                     |  | 18809<br>180mm Optical Glass Wide Angle Port      |   |                           |                    |
|   |                                     |  | 18812<br>230mm Optical Glass Wide Angle Port II   |   |                           |                    |
|   |                                     |  | * 18815<br>250mm Optical Glass Wide Angle Port II |   |                           |                    |
| Tokina AT-X 124 AF PRO DX<br>AF 12-24mm f/4 | 19531<br>TC1224-Z                   | 21150 / 22150<br>N120 Extension Ring 50 I / II | 18802<br>8.5" Acrylic Dome Port                   |   |                           |                    |
|   |                                     | 21160 / 22160<br>N120 Extension Ring 60 I / II | 18809<br>180mm Optical Glass Wide Angle Port      |   |                           |                    |

\*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  | OPTICAL PERFORMANCE  |   |   |
|-----------------------------------|---|--|--|---|--|---|---|
| WIDE ANGLE<br>APS-C               | Tokina AT-X 124 AF PRO DX<br>AF 12-24mm f/4 | 19531<br>TC1224-Z                              | 21160 / 22160<br>N120 Extension Ring 60 I / II   | 18812<br>230mm Optical Glass Wide Angle Port II   |  |   |   |
|                                   |   |  |  | * 18815<br>250mm Optical Glass Wide Angle Port II |  |   |   |
| WIDE ANGLE<br>FULL FRAME          | Canon EF 11-24mm<br>f/4L USM                | 19550<br>C1124-Z                               | 21150 / 22150<br>N120 Extension Ring 50 I / II   | * 18815<br>250mm Optical Glass Wide Angle Port II | * This setup is not compatible with<br>Extension Rings I SN:A213191 before 09/2016 |   |   |
|                                   |   |  |  | 18812<br>230mm Optical Glass Wide Angle Port II   |  | * This setup is not compatible with<br>Extension Rings I SN:A201966 before 09/2016      |   |
|                                   |   |  |  | 18812<br>230mm Optical Glass Wide Angle Port II   |  |   |   |
|                                   | Canon EF 16-35mm<br>f/2.8 II USM            | 19527<br>C1635II-Z                             | 21130 / 22130<br>N120 Extension Ring 30 I / II   | * 85204<br>N120 WACP - 2                          | Lens FOV 107-63°<br>Converted FOV 128-72°  |   |   |
|                                   |   |  |  | 18802<br>8.5" Acrylic Dome Port                   |  |   |   |
|                                   |   |  |  | 18809<br>180mm Optical Glass Wide Angle Port      |  |   |   |
|                                   |   |  |  | 18812<br>230mm Optical Glass Wide Angle Port II   |  |   |   |
|                                   |   |  |  | * 18815<br>250mm Optical Glass Wide Angle Port II |  |   |   |
|                                   |   |  |  | 18812<br>230mm Optical Glass Wide Angle Port II   |  |   |   |
|                                   | Canon EF 16-35mm<br>f/2.8 III USM           | 19527 + 19542<br>C1635II-Z +<br>C1635II-F      | 21230 / 22130 + 22131<br>N120 Extension Ring 30 I / II +<br>Focus Knob   | 85204<br>N120 WACP - 2                            | Lens FOV 107-63°<br>Converted FOV 128-72°  |   |   |
|                                   |   |  |  | 18802<br>8.5" Acrylic Dome Port                   |  |   |   |
|                                   |   |  |  | 18812<br>230mm Optical Glass Wide Angle Port II   |  |   |   |
| Canon EF 16-35mm<br>f/2.8 III USM | 19554<br>C1635III-Z                         | 21150 / 22150<br>N120 Extension Ring 50 I / II | * 85204<br>N120 WACP - 2   | Lens FOV 107-63°<br>Converted FOV 128-72°         |  |   |   |
|                                   |   |  | 21170 / 22170<br>N120 Extension Ring 70 I / II   |   | 85201<br>N120 WACP - 1   | On APS-C Sensor<br>Lens FOV 80-43°<br>Converted FOV 138-74°                             |   |
|                                   |   |  | 21180 / 22180<br>N120 Extension Ring 80 I / II   |   | 18809<br>180mm Optical Glass Wide Angle Port                                       | On Full Frame Sensor<br>Lens FOV 75-63°<br>Converted FOV 130-109°<br>Zoom Range 28-35mm |   |
|                                   |   |  | 19554 + 19555<br>C1635III-Z +<br>C1635III-F  |   | 21250 / 22150 + 22151<br>N120 Extension Ring 50 I / II +<br>Focus Knob             | 85204<br>N120 WACP - 2  | Lens FOV 107-63°<br>Converted FOV 128-72° |
|                                   |   |  | 21271 + 21120<br>/ 22170 + 22171 + 22120<br>N120 Extension Ring 70 I + 20 I /<br>N120 Extension Ring 70 II +<br>Focus knob + 20 II |   | * 18812<br>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<br>FULL FRAME           | Canon EF 16-35mm<br>f/4 IS USM | 19548<br>C1635f4-Z                             | 21130 / 22130<br>N120 Extension Ring 30 I / II                         | * 85204<br>N120 WACP - 2   | Lens FOV 108-63°<br>Converted FOV 128-72°  |
|                                    |                                |  | 21160 / 22160<br>N120 Extension Ring 60 I / II                         | 85201<br>N120 WACP - 1   | Lens FOV 80-43°<br>Converted FOV 138-74°<br><small>On APS-C Sensor</small>         |
|                                    |                                |  | 21170 / 22170<br>N120 Extension Ring 70 I / II                         | 18802<br>8.5" Acrylic Dome Port  |  |
|                                    |                                |  |  | 18809<br>180mm Optical Glass Wide Angle Port   |  |
|                                    |                                |  | 21180 / 22180<br>N120 Extension Ring 80 I / II                         | * 18812<br>230mm Optical Glass Wide Angle Port II  |  |
|                                    |                                |  |  | 18815<br>250mm Optical Glass Wide Angle Port II  |  |
|                                    | Canon EF 17-40mm<br>f/4L USM   | 19528<br>C1740-Z                               | 21271 / 22170 + 22171<br>N120 Extension Ring 70 I / II +<br>Focus Knob | 18812<br>230mm Optical Glass Wide Angle Port II  |  |
|                                    |                                |  | 21235 / 22135 + 22151<br>N120 Extension Ring 35 I / II +<br>Focus Knob | 85204<br>N120 WACP - 2   | Lens FOV 108-63°<br>Converted FOV 128-72°  |
|                                    |                                |  | 21140 / 22140<br>N120 Extension Ring 40 I / II                         | 85201<br>N120 WACP - 1   | Lens FOV 77-37°<br>Converted FOV 133-74°<br><small>On APS-C Sensor</small>         |
|                                    |                                |  |  |  | Lens FOV 75-57.5°<br>Converted FOV 130-100°<br><small>On Full Frame Sensor</small> |
|                                    |                                |  | 21150 / 22150<br>N120 Extension Ring 50 I / II                         | 18802<br>8.5" Acrylic Dome Port  |  |
|                                    |                                |  | 21160 / 22160<br>N120 Extension Ring 60 I / II                         | 18809<br>180mm Optical Glass Wide Angle Port   |  |
| Sigma 12-24mm<br>F4 DG HSM   Art   | 19556<br>SC1224A-Z             | 21150 / 22150<br>N120 Extension Ring 50 I / II | 18815<br>250mm Optical Glass Wide Angle Port II                        | <i>* This setup is not compatible with<br/>Extension Rings I SN:A213191 before 09/2016</i> |  |
|                                    |                                | 21160 / 22160<br>N120 Extension Ring 60 I / II | * 18812<br>230mm Optical Glass Wide Angle Port II                      | <i>* This setup is not compatible with<br/>Extension Rings I SN:A143566 before 09/2016</i> |  |
| Sigma 14mm<br>F1.8 DG HSM   Art    | 19563<br>SC14A-F               | 21170 / 22170<br>N120 Extension Ring 70 I / II | 18802<br>8.5" Acrylic Dome Port  | <i>* This setup is not compatible with<br/>Extension Rings I SN:A201966 before 09/2016</i> |  |
|                                    |                                |  | * 18812<br>230mm Optical Glass Wide Angle Port II                      |  |  |
| Sigma 14-24mm<br>F2.8 DG HSM   Art | 19564<br>SC1424A-Z             | 21160 / 22160<br>N120 Extension Ring 60 I / II | 18809<br>180mm Optical Glass Wide Angle Port                           | <i>* This setup is not compatible with<br/>Extension Rings I SN:A143566 before 09/2016</i> |  |
|                                    |                                | 21170 / 22170<br>N120 Extension Ring 70 I / II | 18802<br>8.5" Acrylic Dome Port  | <i>* This setup is not compatible with<br/>Extension Rings I SN:A201966 before 09/2016</i> |  |
|                                    |                                |  | * 18812<br>230mm Optical Glass Wide Angle Port II                      |  |  |

*\* 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  |  |
|--------------------------|--|--------------------------|--|---|--|
| WIDE ANGLE<br>FULL FRAME | Sigma 14-24mm<br>F2.8 DG HSM   Art   | 19564<br>SC1424A-Z       | 21170 / 22170<br>N120 Extension Ring 70 I / II | 18815<br>250mm Optical Glass Wide Angle Port II     |  |
|                          | Sigma 20mm<br>F1.4 DG HSM   A  |                          | 21160 / 22160<br>N120 Extension Ring 60 I / II | 18809<br>180mm Optical Glass Wide Angle Port        |  |
|                          |  |                          | 21170 / 22170<br>N120 Extension Ring 70 I / II | 18802<br>8.5" Acrylic Dome Port                     |  |
|                          |  |                          |  | * 18812<br>230mm Optical Glass Wide Angle Port II   |  |
|                          |  |                          |  | 18815<br>250mm Optical Glass Wide Angle Port II     |  |
|                          | ZEISS Distagon T* 15mm<br>f/2.8 ZM   | 16319<br>ZC15-F          | 21155 / 22155<br>N120 Extension Ring 55 I / II | 18812<br>230mm Optical Glass Wide Angle Port II     | * This setup is not compatible with<br>Extension Rings I SN:A055053 before 09/2016 |
|                          | ZEISS Milvus 18mm<br>f/2.8 ZE  | 16329<br>ZMC-F           | 21155 / 22155<br>N120 Extension Ring 55 I / II | 18809<br>180mm Optical Glass Wide Angle Port        |  |
|                          |  |                          |  | * 18812<br>230mm Optical Glass Wide Angle Port II   |  |
|                          | ZEISS Milvus 21mm<br>f/2.8 ZE  | 16329<br>ZMC-F           | 21150 / 22150<br>N120 Extension Ring 50 I / II | 18809<br>180mm Optical Glass Wide Angle Port        |  |
|                          |  |                          |  | * 18812<br>230mm Optical Glass Wide Angle Port II   |  |
| FISHEYE<br>APS-C         | Sigma 10mm<br>F2.8 EX DC HSM Fisheye   |                          |  | 18802<br>8.5" Acrylic Dome Port                     |  |
|                          | Tokina AT-X 107<br>AF DX Fisheye AF<br>10-17mm f/3.5-4.5   | 19529<br>TC1017-Z        |  | 18804<br>4.33" Acrylic Dome Port for Tokina 10-17mm |  |
|                          |  |                          | 21110<br>N120 Extension Ring 10                | * 18810<br>140mm Optical Glass Fisheye Port         | * This setup is only compatible with 18810 before SN:A490446                       |
|                          |  |                          | 22110<br>N120 Extension Ring 10 II             | * 18810<br>140mm Optical Glass Fisheye Port         | This setup is only compatible with 18810 SN:A490446 onwards                        |
|                          |  |                          | 21120 / 22120<br>N120 Extension Ring 20 I / II | 18802<br>8.5" Acrylic Dome Port                     |  |
|                          |  |                          |  | 18812<br>230mm Optical Glass Wide Angle Port II     |  |
|                          | Tokina AT-X 107<br>AF DX Fisheye AF<br>10-17mm f/3.5-4.5<br>with Kenko TELEPLUS HD pro<br>1.4x DGX Teleconverter for<br>Canon EF | 19629<br>TC1017-Z + 1.4X | 21120 / 22120<br>N120 Extension Ring 20 I / II | 18804<br>4.33" Acrylic Dome Port for Tokina 10-17mm |  |
|                          |  |                          | 21130 / 22130<br>N120 Extension Ring 30 I / II | * 18810<br>140mm Optical Glass Fisheye Port         |  |
|                          |  |                          | 21140 / 22140<br>N120 Extension Ring 40 I / II | 18802<br>8.5" Acrylic Dome Port                     |  |
|                          |  |                          |  | 18812<br>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<br>FULL FRAME | Canon EF 8-15mm<br>f/4L Fisheye USM  | 19537<br>C815-Z                     | 21130 / 22130<br>N120 Extension Ring 30 I / II                         | 18802<br>8.5" Acrylic Dome Port<br><br>* 18811<br>140mm Optical Glass Fisheye Port<br>with Removable Shade<br><br>18812<br>230mm Optical Glass Wide Angle Port II |
|                       |  | 19537 + 19541<br>C815-Z +<br>C815-F | 21230 / 22130 + 22131<br>N120 Extension Ring 30 I / II +<br>Focus Knob | 18802<br>8.5" Acrylic Dome Port   |
|                       | Canon EF 8-15mm<br>f/4L Fisheye USM<br>with Kenko 1.4x<br>Teleplus Pro 300 DGX | 19538<br>C815-Z + 1.4X              | 21150 / 22150<br>N120 Extension Ring 50 I / II                         | 18802<br>8.5" Acrylic Dome Port<br><br>* 18811<br>140mm Optical Glass Fisheye Port<br>with Removable Shade<br><br>18812<br>230mm Optical Glass Wide Angle Port II |
|                       |  |                                     |  | 18802<br>8.5" Acrylic Dome Port<br><br>18810<br>140mm Optical Glass Fisheye Port<br><br>18812<br>230mm Optical Glass Wide Angle Port II                           |
|                       | Canon EF 15mm<br>f/2.8 Fisheye   |                                     |  | 18802<br>8.5" Acrylic Dome Port<br><br>18810<br>140mm Optical Glass Fisheye Port<br><br>18812<br>230mm Optical Glass Wide Angle Port II                           |
|                       | Sigma 15mm<br>F2.8 EX DG Diagonal Fisheye                                      | 19546<br>SC15-F                     |  | 18802<br>8.5" Acrylic Dome Port<br><br>* 18810<br>140mm Optical Glass Fisheye Port<br><br>18812<br>230mm Optical Glass Wide Angle Port II                         |
|                       |  |                                     |  |   |