



# 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 DX         | Nikon AF-S DX Micro NIKKOR 85mm f/3.5 ED VR                                  | 19129 NISSR F            | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 1 - M67 Thread<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)   | 81201 SMC-1<br>81202 SMC-2 | Max. Magnification 2.5X<br>Working Distance 51-96mm<br>Max. Magnification 3.0X<br>Working Distance 23-37mm |
|                  | Nikon AF-S DX Micro NIKKOR 105mm f/2.8G IF-ED                                | 19122 N100R F            | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 2 - Bayonet Mount<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)<br>83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CAM | 81201 SMC-1<br>81202 SMC-2 | Max. Magnification 2.5X<br>Working Distance 53-95mm  |
| MACRO DX         | Nikon AF-S Micro NIKKOR 60mm f/2.8G ED                                       | 19121 N600 F             |  | 18701 Macro Port 60                                       | SMC/CAM Option 1 - M67 Thread<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)   | 81201 SMC-1<br>81202 SMC-2 | Max. Magnification 1.4X<br>Working Distance 4-73mm   |
|                  | Nikon AF-S Micro NIKKOR 60mm f/2.8G ED with HOYA H-Diapor                    | 19121 N600 F             |  | 18701 Macro Port 60                                       | SMC/CAM Option 2 - Bayonet Mount<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)<br>83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CAM | 81201 SMC-1<br>81202 SMC-2 | Max. Magnification 1.3X<br>Working Distance 11-123mm   |
| MACRO DX         | Nikon AF-S VR Micro NIKKOR 105mm f/2.8G IF-ED                                | 19122 N100R F            | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 1 - M67 Thread<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)   | 81201 SMC-1<br>81202 SMC-2 | On DX Sensor<br>Lens FOV 26.5°<br>Converted FOV 60°/100°/130°/160°   |
|                  | Nikon AF-S VR Micro NIKKOR 105mm f/2.8G IF-ED                                | 19122 N100R F            | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 2 - Bayonet Mount<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)<br>83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CAM | 81201 SMC-1<br>81202 SMC-2 | Max. Magnification 2.5X<br>Working Distance 53-95mm  |
| STANDARD ZOOM DX | Sigma 105mm F2.8 DC DG OS HSM Macro  | 19147 SNI50 F            | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 1 - M67 Thread<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)   | 81201 SMC-1                | Max. Magnification 2.5X<br>Working Distance 46-93mm  |
|                  | Sigma 105mm F2.8 DC DG OS HSM Macro  | 19147 SNI50 F            | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 2 - Bayonet Mount<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)<br>83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CAM | 81201 SMC-1<br>81202 SMC-2 | Max. Magnification 2.5X<br>Working Distance 46-93mm  |
| STANDARD ZOOM DX | Loowa 24mm F14 2X Macro Probe  | 19155 Loowa's Gear Set   | 22170 + 22171 N120 Extension Ring 70 II + Focus Knob | 16326 N120 Port Adaptor for Loowa 24mm F14 2X Macro Probe | SMC/CAM Option 1 - M67 Thread<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)   | 81201 SMC-1                | Max. Magnification 2.5X<br>Working Distance 53-95mm  |
|                  | Loowa 24mm F14 2X Macro Probe  | 19155 Loowa's Gear Set   | 22170 + 22171 N120 Extension Ring 70 II + Focus Knob | 16326 N120 Port Adaptor for Loowa 24mm F14 2X Macro Probe | SMC/CAM Option 2 - Bayonet Mount<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)<br>83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CAM | 81201 SMC-1<br>81202 SMC-2 | Max. Magnification 2.5X<br>Working Distance 53-95mm  |
| STANDARD ZOOM DX | Nikon AF-S DX Micro NIKKOR 18-55mm f/3.5-5.6G VR II                          | 19144 N1855VR II-2       | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 1 - M67 Thread<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)   | 81201 SMC-1                | Max. Magnification 2.3X<br>Working Distance 46-93mm  |
|                  | Nikon AF-S DX Micro NIKKOR 18-55mm f/3.5-5.6G VR II                          | 19144 N1855VR II-2       | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 2 - Bayonet Mount<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)<br>83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CAM | 81201 SMC-1<br>81202 SMC-2 | Max. Magnification 2.3X<br>Working Distance 46-93mm  |
| STANDARD ZOOM DX | Nikon AF-P DX NIKKOR 18-55mm f/3.5-5.6G VR                                   | 19164 N1855AF-P-2        | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 1 - M67 Thread<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)   | 81201 SMC-1                | Max. Magnification 2.3X<br>Working Distance 46-93mm  |
|                  | Nikon AF-P DX NIKKOR 18-55mm f/3.5-5.6G VR                                   | 19164 N1855AF-P-2        | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 2 - Bayonet Mount<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)<br>83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CAM | 81201 SMC-1<br>81202 SMC-2 | Max. Magnification 2.3X<br>Working Distance 46-93mm  |
| STANDARD ZOOM DX | Sigma 17-70mm F2.8-4.5 DC Macro HSM  | 19132 SNI770 F-2         | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Sigma 17-70mm F2.8-4.5 DC Macro OS HSM                                       | 19133 SNI770OS-2         | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| STANDARD ZOOM DX | Sigma 17-70mm F2.8-4.5 DC Macro OS HSM I C                                   | 19140 SNI770OS-2         | 2120 N120 Extension Ring 40 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Sigma 18-35mm F1.8 DC HSM I A  | 19146 SNI835F-1.8-2      | 2120 N120 Extension Ring 80 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| STANDARD ZOOM DX | Nikon AF-S NIKKOR 24-85mm f/3.5-5.6G ED VR                                   | 19159 N2485-2            | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Nikon AF-S NIKKOR 24-85mm f/3.5-5.6G ED VR                                   | 19159 N2485-2            | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| STANDARD ZOOM DX | Nikon AF NIKKOR 28mm f/2.8D  |                          | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 1 - M67 Thread<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)   | 81201 SMC-1                | Max. Magnification 2.3X<br>Working Distance 53-95mm  |
|                  | Nikon AF NIKKOR 28mm f/2.8D  |                          | 2120 N120 Extension Ring 20 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 2 - Bayonet Mount<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)<br>83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CAM | 81201 SMC-1<br>81202 SMC-2 | Max. Magnification 2.3X<br>Working Distance 53-95mm  |
| STANDARD ZOOM DX | Nikon AF NIKKOR 28-70mm f/3.5-4.5D   | 19148 N2870F-3D-2        | 2120 N120 Extension Ring 35 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 1 - M67 Thread<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)   | 81201 SMC-1                | Max. Magnification 2.3X<br>Working Distance 53-95mm  |
|                  | Nikon AF NIKKOR 28-70mm f/3.5-4.5D   | 19148 N2870F-3D-2        | 2120 N120 Extension Ring 35 II                       | 18701 Macro Port 60                                       | SMC/CAM Option 2 - Bayonet Mount<br>81228 M67 Spacer Ring for SMC/CAM (included in all SMC/CAM packaging)<br>83250 + 83214 M67 to Bayonet Mount Converter II + Bayonet Mount Adaptor for SMC/CAM | 81201 SMC-1<br>81202 SMC-2 | Max. Magnification 2.3X<br>Working Distance 53-95mm  |
| WIDE ANGLE DX    | Nikon AF-S DX NIKKOR 16-24mm f/3.5-5.6G ED                                   | 19135 N1624-2            | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Nikon AF-S DX NIKKOR 16-24mm f/3.5-5.6G ED                                   | 19135 N1624-2            | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Nikon AF-S DX NIKKOR 12-24mm f/4G IF-ED                                      | 19125 N1224-2            | 2120 N120 Extension Ring 60 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Nikon AF-S DX NIKKOR 12-24mm f/4G IF-ED                                      | 19125 N1224-2            | 2120 N120 Extension Ring 60 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Sigma 8-16mm F4.5-5.6 DC HSM   | 19136 SNI816-2           | 2120 N120 Extension Ring 40 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Sigma 8-16mm F4.5-5.6 DC HSM   | 19136 SNI816-2           | 2120 N120 Extension Ring 40 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Sigma 18-20mm F4-5.6 EX DC HSM   | 19126 SNI200-2           | 2120 N120 Extension Ring 40 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Sigma 18-20mm F4-5.6 EX DC HSM   | 19126 SNI200-2           | 2120 N120 Extension Ring 40 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Takah AT-X 118 PRO DX AF 11-16mm F2.8  | 19128 TN118-2            | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Takah AT-X 118 PRO DX AF 11-16mm F2.8  | 19128 TN118-2            | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Takah AT-X 124 AF PRO DX AF 12-24mm F4                                       | 19134 TN1224-2           | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Takah AT-X 124 AF PRO DX AF 12-24mm F4                                       | 19134 TN1224-2           | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Nikon AF-S NIKKOR 14-24mm f/2.8G ED  | 19131 N1424-2            | 2120 N120 Extension Ring 70 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Nikon AF-S NIKKOR 14-24mm f/2.8G ED  | 19131 N1424-2            | 2120 N120 Extension Ring 70 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Nikon AF-S NIKKOR 16-35mm f/4G ED VR   | 19138 N1635-2            | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Nikon AF-S NIKKOR 16-35mm f/4G ED VR   | 19138 N1635-2            | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Nikon AF-S 17-35mm f/2.8G IF-ED  | 19130 N1735-2            | 2120 N120 Extension Ring 30 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Nikon AF-S 17-35mm f/2.8G IF-ED  | 19130 N1735-2            | 2120 N120 Extension Ring 30 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Nikon AF-S 18-35mm f/3.5-4.5G ED   | 19141 N1835-2            | 2120 N120 Extension Ring 40 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Nikon AF-S 18-35mm f/3.5-4.5G ED   | 19141 N1835-2            | 2120 N120 Extension Ring 40 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Sigma 13-24mm F4 DC HSM Art  | 19149 SNI224-2           | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Sigma 13-24mm F4 DC HSM Art  | 19149 SNI224-2           | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Sigma 14-24mm F2.8 DG HSM Art  | 19153 SNI224-2           | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Sigma 14-24mm F2.8 DG HSM Art  | 19153 SNI224-2           | 2120 N120 Extension Ring 50 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| WIDE ANGLE DX    | Sigma 20mm F4 DG HSM I A   |                          | 2120 N120 Extension Ring 60 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Sigma 20mm F4 DG HSM I A   |                          | 2120 N120 Extension Ring 60 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| FISHEYE DX       | Sigma 10mm F2.8 EX DC HSM Fisheye  |                          | 2120 N120 Extension Ring 10                          | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Sigma 10mm F2.8 EX DC HSM Fisheye  |                          | 2120 N120 Extension Ring 10                          | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| FISHEYE DX       | Takah AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5                            | 19127 TN107-2            | 2120 N120 Extension Ring 10                          | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Takah AT-X 107 AF DX Fisheye AF 10-17mm f/3.5-4.5                            | 19127 TN107-2            | 2120 N120 Extension Ring 10                          | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| FISHEYE DX       | Takah AT-X 107 AF DX Fisheye with Kenko 1.6x Teleplus Pro 300 DDX            | 19227 TN107-2+1.4        | 2120 N120 Extension Ring 30 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Takah AT-X 107 AF DX Fisheye with Kenko 1.6x Teleplus Pro 300 DDX            | 19227 TN107-2+1.4        | 2120 N120 Extension Ring 30 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| FISHEYE DX       | Nikon AF-S Fisheye NIKKOR 8-15mm f/3.5-4.5G ED                               | 19150 N815-2             | 2120 N120 Extension Ring 20 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Nikon AF-S Fisheye NIKKOR 8-15mm f/3.5-4.5G ED                               | 19150 N815-2             | 2120 N120 Extension Ring 20 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| FISHEYE DX       | Nikon AF-S Fisheye 8-15mm f/3.5-4.5G ED with Kenko 1.6x Teleplus Pro 300 DDX | 19151 N815+1.4           | 2120 N120 Extension Ring 40 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Nikon AF-S Fisheye 8-15mm f/3.5-4.5G ED with Kenko 1.6x Teleplus Pro 300 DDX | 19151 N815+1.4           | 2120 N120 Extension Ring 40 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| FISHEYE DX       | Nikon AF Fisheye 16mm f/2.8D   |                          | 2120 N120 Extension Ring 30 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Nikon AF Fisheye 16mm f/2.8D   |                          | 2120 N120 Extension Ring 30 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
| FISHEYE DX       | Sigma 15mm F2.8 EX DG Diagonal Fisheye                                       | 19143 SNI15 F            | 2120 N120 Extension Ring 30 II                       | 18802 8.5" Acrylic Dome Port                              |  |                            |  |
|                  | Sigma 15mm F2.8 EX DG Diagonal Fisheye                                       | 19143 SNI15 F            | 2120 N120 Extension Ring 30 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 Nauticam underwater optics based on best underwater optical performance

\* Recommended Port System