



# FL (Four Lock) Port System Charts

## PORT OPTIONS

Some lenses have more than one port option. The first column is always the recommended option for the best compromise of imaging quality, performance, and handling with any given lens.

## PRODUCT(S) REQUIRED

Where multiple lines of products are listed for a given option, all products listed are required to make a complete compatible lens port.

## LENSES REFERENCING “+4 DIOPTRER REQUIRED”

A +4 diopter is available for purchase through your local camera store, and is commonly sold in a set with +1 and +2 close-up lenses. Common brands include Tiffen and Hoya. Make sure to purchase the correct size for your lens. The thread diameter is usually referenced on the front of the lens in millimeters ( $\varnothing$  58mm, 67mm, etc.). All photos will be out of focus if a +4 diopter is required but not used.

## MEASURING FOR A PORT

Using an accurate method of measurement, preferably digital calipers, measure the lens diameter at its largest point. The lens barrel must be less than 3.3” (83mm) at its largest point to fit in FL system ports. The zoom ring must be 3” diameter or smaller for use with our universal zoom gear system.

Lens specifications posted by the manufacturer generally are not suitable for determining the correct port. If the lens extends when zooming or focusing, extend the lens to the longest point before measuring. Measure the fully extended length of the lens from the mount on the camera body.

A dome is recommended for zoom lenses and all lenses 28mm or wider. A lens must focus to 12” or closer to be used underwater behind a dome. If your lens does not focus to at least 12”, then a +4 diopter must be added to the front of the lens and included in the overall length measurement.

Flat ports are recommended for macro and telephoto lenses. Note that if a port is long enough to accommodate the full length of a 1:1 macro lens, the lens may vignette at infinity behind a flat port.



# Canon Lenses

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>Canon 8-15 mm f/4L EF USM Fisheye</b>	Dome shade must be removed to eliminate vignetting. AF only.  <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.11</b> Extension <b>5509.28</b> Zoom Gear		
<b>Canon 10-18 mm f/4.5-5.6 IS STM</b>	AF only.  <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.16</b> Extension <b>5509.27</b> Zoom Gear	AF only.  <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.22</b> Extension <b>5509.27</b> Zoom Gear	
<b>Canon 10-22 mm f/3.5-4.5 EF-S USM</b>	AF only.  <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.22</b> Extension <b>5509.28</b> Zoom Gear		
<b>Canon 14 mm EF 1:2.8</b>	AF only.  <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.11</b> Extension		
<b>Canon 14 mm EF f/2.8L II USM</b>	AF only.  <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.22</b> Extension		
<b>Canon 15 mm EF f/2.8 Fisheye</b>	AF only.  <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.11</b> Extension		
<b>Canon 15-85 mm f/3.5-5.6 IS USM Macro</b>	Lens diameter is too large to operate in port system.		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Canon 16-35 mm USM	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.24 Extension 5509.28 Zoom Gear		
Canon 16-35 mm f/2.8L II USM	Lens diameter is too large to operate in port system.		
Canon 16-35 mm f/4L EF IS USM	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.24 Extension 5509.28 Zoom Gear 0923.01 Anti-Reflection Ring		
Canon 17-35 mm	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension 5509.28 Zoom Gear		
Canon 17-40 mm f/4L EF USM	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.24 Extension 5509.28 Zoom Gear 0923.02 Anti-Reflection Ring		
Canon 17-55 mm 1:2.8 EF-S IS USM	Lens diameter is too large to operate in port system.		
Canon 17-85 mm f4-5.6 EF-S IS USM	No zoom control. Lens must be used at a fixed focal length. AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.24 Extension		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>Canon 18-55 mm EF-S USM</b> <b>Canon 18-55 mm f/3.5-5.6 EF-S IS</b> <b>Canon 18-55 mm f/3.5-5.6 EF-S IS II</b> <b>Canon 18-55 mm f/3.5-5.6 IS STM</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.16</b> Extension <b>5509.27</b> Zoom Gear		
<b>Canon 18-135 mm f/3.5-5.6 EF-S IS</b>	Recommended only for use with Four Lock housings. AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5510.45</b> Dome <b>5510.54</b> Extension <b>5510.24</b> Extension <b>5509.28</b> Zoom Gear		
<b>Canon 18-135 mm f/3.5-5.6 IS STM</b>	Recommended only for use with Four Lock housings. AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5510.45</b> Dome <b>5510.58</b> Extension <b>5510.24</b> Extension <b>5509.28</b> Zoom Gear		
<b>Canon 18-200 mm f/3.5-5.6 EF-S IS</b>	Lens diameter is too large to operate in port system.		
<b>Canon 20 mm f/2.8 USM</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.11</b> Extension		
<b>Canon 20-35 mm</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5510.45</b> Dome <b>5510.16</b> Extension <b>5509.27</b> Zoom Gear		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Canon 20-35 mm Ultrasonic Canon 22-55 mm Ultrasonic	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension 5509.27 Zoom Gear		
Canon 24 mm f/2.8	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.11 Extension		
Canon 24 mm f/1.4L USM Canon 24 mm f/1.4L II USM	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension		
Canon 24-70 mm f/2.8L EF USM	Lens diameter is too large to operate in port system.		
Canon 24-70 mm f/4L IS USM	Lens macro switch is not accessible. AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.24 Extension 5509.21 Zoom Gear		
Canon 24-85 mm	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension 5509.27 Zoom Gear		
Canon 24-105 mm f/4L EF IS USM	Lens diameter is too large to operate in port system.		
Canon 28 mm	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.11 Extension		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Canon 28-70 mm Canon 28-90 mm EF	Compatibility information not available.		
Canon 28-105 mm 1:3.5-4.5 EF USM II	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.24 Extension 5509.28 Zoom Gear		
Canon 28-105 mm 1:4-5.6 USM	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension 5509.28 Zoom Gear		
Canon 28-135 mm f/3.5-5.6 IS USM	Lens diameter is too large to operate in port system.		
Canon 35 mm f/1.4L USM	Full angle of coverage. Necessary for split shots (half-in, half-out of the water). AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.22 Extension	Sharp image quality, reduced angle of coverage. AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.22 Extension	Sharp image quality, reduced angle of coverage. AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.24 Extension
Canon 35 mm f/2 Canon 35 mm f/2 IS USM	Full angle of coverage. Necessary for split shots (half-in, half-out of the water). AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.11 Extension	Sharp image quality, reduced angle of coverage. AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.16 Extension	
Canon 35-80 mm	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension 5509.27 Zoom Gear	Sharp image quality, reduced angle of coverage. AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.16 Extension 5509.27 Zoom Gear	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Canon 35-135 mm	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.24 Extension		
Canon 40 mm f/2.8 EF Canon 40 mm f/2.8 EF STM	Full angle of coverage. Necessary for split shots (half-in, half-out of the water). AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.11 Extension	Sharp image quality, reduced angle of coverage. AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.16 Extension	Sharp image quality, reduced angle of coverage. AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.24 Extension
Canon 50 mm f/1.2L USM	Lens diameter is too large to operate in port system.		
Canon 50 mm f/1.4 USM Canon 50 mm f/1.8 II	Sharp image quality, reduced angle of coverage. AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.16 Extension	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.11 Extension	
Canon 50 mm f/2.5 Compact Macro	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.22 Extension		
Canon 60 mm f/2.8 EF-S Macro	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.16 Extension	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.22 Extension	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.24 Extension
Canon 100 mm Macro	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.58 Extension 5510.22 Extension	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.58 Extension 5510.24 Extension	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Canon 100 mm f/2.8 EF Macro	AF only. <u>Product(s) required:</u> <b>5510.35</b> Flat Front <b>5510.54</b> Extension <b>5510.28</b> Extension		
Canon 100 mm f/2.8 EF USM Macro (non-IS) Canon 100 mm f/2.8L EF IS USM Macro	AF only. <u>Product(s) required:</u> <b>5510.35</b> Flat Front <b>5510.28</b> Extension	AF or MF (cannot switch underwater). <u>Product(s) required:</u> <b>5510.35</b> Flat Front <b>5510.75</b> Extension <b>5510.16</b> Extension	



# Nikon Lenses

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>Nikon 8-15 mm f/3.5-4.5E ED AF-S Fisheye</b>	<p>Dome shade must be removed to eliminate vignetting. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5510.45</b> Dome <b>5510.11</b> Extension <b>5509.28</b> Zoom Gear</p>		
<b>Nikon 10-24 mm f/3.5-4.5G ED AF-S DX</b>	<p>Adding a +2 diopter to the lens may improve edge sharpness. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5510.45</b> Dome <b>5510.22</b> Extension <b>5509.27</b> Zoom Gear</p>		
<b>Nikon 10.5 mm f/2.8G ED AF DX Fisheye</b>	<p>AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5510.45</b> Dome <b>5510.11</b> Extension</p>		
<b>Nikon 12-24 mm f/4 IF-ED AF-S DX</b>	<p>AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5510.45</b> Dome <b>5510.22</b> Extension <b>5509.28</b> Zoom Gear</p>		
<b>Nikon 14 mm f/2.8D ED Nikon 14-24 mm f/2.8G ED AF-S</b>	<p>Lens diameter is too large to operate in port system.</p>		
<b>Nikon 16 mm f/2.8D AF Fisheye</b>	<p>AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5510.45</b> Dome <b>5510.11</b> Extension</p>		
<b>Nikon 16-35 mm f/4G ED VR AF-S</b>	<p>AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5510.45</b> Dome <b>5510.11</b> Extension</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Nikon 16-35 mm f/4G ED VR AF-S	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.28 Extension 5509.27 Zoom Gear		
Nikon 16-80 mm f/2.8-4E ED VR AF-S DX	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.24 Extension 5509.16 Zoom Gear		
Nikon 16-85 mm f/3.5-5.6G ED VR AF-S DX	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.28 Extension 5509.28 Zoom Gear		
Nikon 17-35 mm f/2.8D IF-ED AF-S	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.24 Extension 5509.17 Zoom Gear		
Nikon 17-55 mm f/2.8D IF-ED AF-S DX	Lens diameter is too large to operate in port system.		
Nikon 18 mm D	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension		
Nikon 18-35 mm f/3.5-4.5D IF-ED AF	Port recommendation not available. Measure lens to select correct port extension.		
Nikon 18-35 mm f/3.5-4.5G ED	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.22 Extension 5509.28 Zoom Gear		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Nikon 18-55 mm f/3.5-5.6 ED AF-S DX	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension 5509.28 Zoom Gear		
Nikon 18-55 mm f/3.5-5.6G ED II AF-S DX Nikon 18-55 mm f/3.5-5.6G VR AF-S DX	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension 5509.28 Zoom Gear		
Nikon 18-55mm f/3.5-5.6 VR II AF-S DX	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension 5509.27 Zoom Gear		
Nikon 18-70 mm f/3.5-4.5G IF-ED AF-S DX	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.24 Extension 5509.28 Zoom Gear		
Nikon 18-105 mm f/3.5-5.6G ED VR AF-S DX	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.28 Extension 5509.18 Zoom Gear		
Nikon 18-135 mm f/3.5-5.6G ED AF-S DX	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.28 Extension 5509.28 Zoom Gear		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>Nikon 18-140 mm f/3.5-5.6G ED VR</b>	<p>May vignette slightly at widest focal lengths. Recommended only for use with Four Lock housings. AF only.</p> <p><b>Product(s) required:</b></p> <hr/> <p><b>+4 Diopter Required</b>  <b>5510.45</b> Dome  <b>5510.58</b> Extension  <b>5510.24</b> Extension  <b>5509.28</b> Zoom Gear</p>		
<b>Nikon 18-200 mm f/3.5-5.6G ED VR II AF-S DX</b>	<p>Lens diameter is too large to operate in port system.</p>		
<b>Nikon 20 mm D f/1.8G</b>	<p>AF only.</p> <p><b>Product(s) required:</b></p> <hr/> <p><b>5510.45</b> Dome  <b>5510.16</b> Extension</p>		
<b>Nikon 20 mm D f/2.8</b>	<p>AF only.</p> <p><b>Product(s) required:</b></p> <hr/> <p><b>5510.45</b> Dome  <b>5510.11</b> Extension</p>		
<b>Nikon 20-35 mm D</b>	<p>AF only.</p> <p><b>Product(s) required:</b></p> <hr/> <p><b>+4 Diopter Required</b>  <b>5510.45</b> Dome  <b>5510.16</b> Extension  <b>5509.27</b> Zoom Gear</p>		
<b>Nikon 24 mm f/1.4G ED AF-S</b>	<p>Port recommendation not available. Measure lens to select correct port extension.</p>		
<b>Nikon 24 mm f/2.8D</b>	<p>AF only.</p> <p><b>Product(s) required:</b></p> <hr/> <p><b>5510.45</b> Dome  <b>5510.16</b> Extension</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Nikon 24-50 mm	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension 5509.28 Zoom Gear		
Nikon 24-70 mm f/2.8G ED AF-S	Recommended only for use with Four Lock housings. AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.58 Extension 5510.28 Extension 5509.27 Zoom Gear		
Nikon 24-85 mm f/2.8-4D IF AF	Lens diameter is too large to operate in port system.		
Nikon 24-85 mm f/3.5-4.5G IF ED	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension 5509.28 Zoom Gear		
Nikon 24-85 mm f/3.5-4.5G ED VR	Zoom not supported. Lens must be used at a fixed focal length. AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.28 Extension		
Nikon 24-120 mm f/3.5-5.6G IF-ED AF-S VR Nikon 24-120 mm f/4G ED VR AF-S	Lens diameter is too large to operate in port system.		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Nikon 28 mm f/2.8D	<p>Full angle of coverage. Necessary for split shots (half-in, half-out of the water). AF only.</p> <p><u>Product(s) required:</u>  <b>5510.45</b> Dome  <b>5510.16</b> Extension</p>		
Nikon 28-70 mm D Nikon 28-80 mm f/3.5-5.6 G	<p>AF only.</p> <p><u>Product(s) required:</u>  <b>5510.45</b> Dome  <b>5510.16</b> Extension  <b>5509.27</b> Zoom Gear</p>		
Nikon 28-85 mm	<p>Some vignetting will be present at widest settings with a full frame camera. AF only.</p> <p><u>Product(s) required:</u>  <b>+4 Diopter Required</b>  <b>5510.45</b> Dome  <b>5510.24</b> Extension  <b>5509.27</b> Zoom Gear</p>		
Nikon 28-100 mm f/3.5-5.6 G	<p>AF only.</p> <p><u>Product(s) required:</u>  <b>+4 Diopter Required</b>  <b>5510.45</b> Dome  <b>5510.16</b> Extension  <b>5509.27</b> Zoom Gear</p>		
Nikon 28-105 mm D macro	<p>Lens diameter is too large to operate in port system.</p>		
Nikon 28-200 mm f/3.5-5.6 G ED IF Nikon 28-200 mm f/3.5-5.6 G ED	<p>AF only.</p> <p><u>Product(s) required:</u>  <b>+4 Diopter Required</b>  <b>5510.45</b> Dome  <b>5510.24</b> Extension  <b>5509.27</b> Zoom Gear</p>		
Nikon 28-300 mm f/3.5-5.6 ED VR AF-S	<p>Not recommended for use underwater.</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>Nikon 35 mm f/1.4G AF-S</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.22</b> Extension		
<b>Nikon 35 mm f/1.8G AF-S DX</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.11</b> Extension		
<b>Nikon 35 mm f/2.8D</b>	Full angle of coverage. Necessary for split shots (half-in, half-out of the water). AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.16</b> Extension	Sharp image quality, reduced angle of coverage. AF only. <u>Product(s) required:</u> <b>5510.35</b> Flat Front <b>5510.16</b> Extension	
<b>Nikon 35-70 mm</b> <b>Nikon 35-80 mm D</b> <b>Nikon 35-105 mm D</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5510.45</b> Dome <b>5510.16</b> Extension <b>5509.27</b> Zoom Gear		
<b>Nikon 35-135 mm D</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5510.45</b> Dome <b>5510.24</b> Extension <b>5509.27</b> Zoom Gear		
<b>Nikon 40 mm f/2.8G</b>	Full angle of coverage. Necessary for split shots (half-in, half-out of the water). AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5510.45</b> Dome <b>5510.16</b> Extension	Sharp image quality, reduced angle of coverage. AF only. <u>Product(s) required:</u> <b>5510.35</b> Flat Front <b>5510.16</b> Extension	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Nikon 50 mm f/1.4D AF Nikon 50 mm f/1.4G AF-S Nikon 50 mm f/1.8D AF Nikon 50 mm f/1.8G AF-S	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.11 Extension		
Nikon 60 mm Macro D Nikon 60 mm Macro f/2.8G ED AF-S	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.22 Extension		
Nikon 85 mm f/1.4D IF AF	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension		
Nikon 85 mm f/1.4G AF-S	Port recommendation not available. Measure lens to select correct port extension.		
Nikon 85 mm f/3.5G ED VR AF-S Macro	AF or MF. Optional MF with # 5509.27 gear. <u>Product(s) required:</u> 5510.35 Flat Front 5510.28 Extension		
Nikon 105 mm Macro D	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.58 Extension 5510.22 Extension		
Nikon 105 mm Macro f/2.8G ED-IF AF-S VR	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.28 Extension	AF or MF (cannot switch underwater). <u>Product(s) required:</u> 5510.35 Flat Front 5510.75 Extension 5510.22 Extension	AF or MF (cannot switch underwater). <u>Product(s) required:</u> 5510.35 Flat Front 5510.75 Extension 5510.16 Extension





# Sigma Lenses

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>Sigma 8 mm f/3.5 EX DG Circular Fisheye</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.11</b> Extension		
<b>Sigma 8-16 mm F4.5-5.6 DC HSM</b>	Will vignette with most full frame cameras. AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.24</b> Extension <b>5509.68</b> Zoom Gear		
<b>Sigma 10 mm F2.8 EX DC Fisheye HSM</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.11</b> Extension		
<b>Sigma 10-20 mm f/4.0-5.6 EX DC HSM</b>	Slight amount of vignetting at 10mm when used with full frame sensors. AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.24</b> Extension <b>5509.33</b> Zoom Gear		
<b>Sigma 10-20 mm f/3.5 EX DC HSM</b>	Lens diameter is too large to operate in port system.		
<b>Sigma 12-24 mm f/4.5-5.6 DG HSM</b>	Lens diameter is too large to operate in port system.		
<b>Sigma 14 mm f/2.8 EX &amp; SM</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.16</b> Extension		
<b>Sigma 15 mm F2.8 EX DG Diagonal Fisheye</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.11</b> Extension		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>Sigma 15-30 mm f/3.5-4.5 DG</b>	Lens diameter is too large to operate in port system.		
<b>Sigma 17-70 mm f/2.8-4.5 DC Macro</b>	Supports full zoom range without vignetting. AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.24</b> Extension <b>5509.27</b> Zoom Gear	Slightly better edge sharpness. Vignettes in widest focal length. AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.28</b> Extension <b>5509.27</b> Zoom Gear	
<b>Sigma 17-70 mm f/2.8-4.5 DC Macro HSM</b> <b>Sigma 17-70 mm f/2.8-4 DC Macro OS HSM</b>	Lens diameter is too large to operate in port system.		
<b>Sigma 18-35 mm f/1.8 DC HSM   A</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.28</b> Extension <b>5509.28</b> Zoom Gear		
<b>Sigma 18-50 mm f/3.5-5.6 DC</b> <b>Sigma 18-50 mm f/2.8 EX DC Macro</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.24</b> Extension <b>5509.28</b> Zoom Gear		
<b>Sigma 18-50 mm f/2.8 EX DC Macro HSM</b>	Lens diameter is too large to operate in port system.		
<b>Sigma 18-125 mm f/3.8-5.6 DC OS HSM</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5510.45</b> Dome <b>5510.28</b> Extension <b>5509.27</b> Zoom Gear		
<b>Sigma 24 mm f/1.4 DG HSM   A</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.22</b> Extension	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.16</b> Extension	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>Sigma 24 mm f/1.8 EX DG Aspherical Macro</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.16</b> Extension		
<b>Sigma 24-35 mm f/2 DG HSM   A</b>	Zoom not supported. Lens must be used at a fixed focal length. AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.28</b> Extension		
<b>Sigma 24-70 mm f/2.8 EX DG Macro</b>	Lens diameter is too large to operate in port system.		
<b>Sigma 24-70 mm f/3.5-5.6 HF</b> <b>Sigma 28-70 mm f/2.8-4</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5510.45</b> Dome <b>5510.16</b> Extension <b>5509.27</b> Zoom Gear		
<b>Sigma 28-70 mm f/2.8-4 DG</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5510.45</b> Dome <b>5510.22</b> Extension <b>5509.27</b> Zoom Gear		
<b>Sigma 28-70 mm f/2.8 D EX DF</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5510.45</b> Dome <b>5510.24</b> Extension <b>5509.28</b> Zoom Gear		
<b>Sigma 28-70 mm f/2.8 EX DG</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5510.45</b> Dome <b>5510.28</b> Extension <b>5509.28</b> Zoom Gear		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>Sigma 28-80 mm f/3.5-5.6 Macro HF</b> <b>Sigma 28-80 mm f/3.5-5.6 Mini Zoom</b> <b>Macro</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension 5509.27 Zoom Gear		
<b>Sigma 28-105 mm AF</b> <b>Sigma 28-135 mm f/3.8-5.6</b> <b>Aspherical AF macro</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.24 Extension 5509.27 Zoom Gear		
<b>Sigma 35 mm f/1.4 DG HSM   A</b>	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.22 Extension		
<b>Sigma 50 mm Macro</b>	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.28 Extension		
<b>Sigma 50 mm f/1.4 DG HSM   A</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.24 Extension		
<b>Sigma 50 mm f/1.4 EX DG HSM</b>	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension		
<b>Sigma 70 mm f/2.8 EX DG Macro</b>	Lens diameter is too large to operate in port system.		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>Sigma 90 mm f/2.8 1:1 Macro SP</b> <b>Sigma 105 mm f/2.8 EX Macro</b> <b>Sigma 105 mm f/2.8 EX DG Macro</b>	AF only. <u>Product(s) required:</u> <b>5510.35</b> Flat Front <b>5510.54</b> Extension <b>5510.28</b> Extension		
<b>Sigma 105 mm f/2.8 EX DG OS HSM Macro</b>	Lens diameter is too large to operate in port system.		

# Tamron Lenses

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Tamron 10-24 mm SP AF f/3.5-4.5 Di-II LD [IF]	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.22 Extension 5509.27 Zoom Gear		
Tamron 11-18 mm f/4.5-5.6 Di II LD Aspherical [IF]	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension 5509.27 Zoom Gear		
Tamron 17-35 mm f/2.8 DI LD IF	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension 5509.28 Zoom Gear		
Tamron 17-50 mm F2.8 XR Di II LD	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.28 Extension 5509.28 Zoom Gear		
Tamron 17-50 mm F2.8 XR Di II VC LD	Lens diameter is too large to operate in port system.		
Tamron 19-35 mm f/3.5-4.5 AF	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension 5509.27 Zoom Gear		
Tamron 28-75 mm f/2.8 XR Di LD Aspherical (IF)	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.24 Extension 5509.28 Zoom Gear		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
Tamron 28-80 mm	AF only. <u>Product(s) required:</u> <b>+4 Diopter Required</b> 5510.45 Dome 5510.16 Extension 5509.27 Zoom Gear		
Tamron 35-90 mm f/4-5.6 Tele-Macro	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension 5509.28 Zoom Gear		
Tamron 60 mm Macro SP AF F2.0 Di II LD [IF]	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.22 Extension		
Tamron 90 mm Macro f/2.8 SP AF Di Macro	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.54 Extension 5510.28 Extension		
Tamron 90 mm Macro f/2.8 SP Di VC USD 1:1	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.28 Extension		



# Tokina Lenses

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>Tokina 10-17 mm AT-X 107 AF DX</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.11</b> Extension <b>5509.28</b> Zoom Gear		
<b>Tokina 11-16 mm f/2.8 AT-X Pro DX</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.22</b> Extension <b>5509.28</b> Zoom Gear		
<b>Tokina 11-16 mm f/2.8 AT-X Pro DX II</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.24</b> Extension <b>5509.28</b> Zoom Gear		
<b>Tokina 12-24 mm f/4 AT-X 124 AF PRO DX</b> <b>Tokina 12-28 mm f/4 DX APS-C</b>	AF only. <u>Product(s) required:</u> <b>5510.45</b> Dome <b>5510.22</b> Extension <b>5509.28</b> Zoom Gear		
<b>Tokina 14-20 mm f/2 PRO FX</b>	Lens diameter is too large to operate in port system.		
<b>Tokina 16-28 mm f/2.8 PRO FX</b>	Lens diameter is too large to operate in port system.		
<b>Tokina 100 mm f/2.8 AT-X AF Pro D</b>	AF or MF (cannot switch underwater). <u>Product(s) required:</u> <b>5510.35</b> Flat Front <b>5510.54</b> Extension <b>5510.28</b> Extension <b>5509.28</b> Gear		