



FL (Four Lock) Port System Charts for Sony Alpha 7-series Cameras

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.

+4 DIOPTER 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.



Sony E-Mount Lenses

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
8-15 mm Canon EF f/4L Fisheye USM + Metabones Canon EF Lens to Sony E Mount T Smart Adapter (Mark IV) <i>Tripod foot must be removed from adapter.</i>	Lens shade must be removed. Dome shade must be removed to eliminate vignetting. AF only. Product(s) required: 5510.45 Dome 5510.24 Extension 5509.28 Zoom Gear		
10-18 mm Sony E f/4 OSS	AF only. Product(s) required: 5510.45 Dome 5510.16 Extension 5509.28 Zoom Gear		
12 mm Carl Zeiss Touit 2.8/12	Dome shade must be removed to eliminate vignetting. AF only. Product(s) required: 5510.45 Dome 5510.16 Extension		
12 mm Rokinon f/2.8 Full Frame Fisheye + Metabones EF to E Mount Adapter <i>Tripod foot must be removed from Metabones adapter.</i>	Slight vignetting (dark shadows in the corners of the image) will be present. Product(s) required: 5510.45 Dome 5510.16 Extension 5509.27 Focus gear		
12-24 mm Sony f/4 FE G	AF only. Product(s) required: 5510.45 Dome 5510.24 Extension 5509.32 Zoom Gear		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
15 mm Sigma f/2.8 EX DG Diagonal Fisheye + Metabones Canon EF Lens to Sony E Mount T Smart Adapter (Mark IV) <i>Tripod foot must be removed from adapter.</i>	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension		
16 mm Sony E f/2.8 Pancake	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.11 Extension	Minimal vignetting (dark shadows in the corners of the image) will be present. AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension	
16 mm Sony E f/2.8 Pancake + Fisheye Converter VLC-ECF1	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.11 Extension		
16 mm Sony E f/2.8 Pancake + Ultra Wide Converter VLC-ECU1	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension		
16-35 mm Sony FE f/4 ZA OSS Vario Tessar T*	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.28 Extension 5509.28 Zoom Gear * <i>* Adhere 1/8" thick foam strips directly to the inside of the zoom sleeve (black clamp not used in this installation).</i>	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.24 Extension 5509.28 Zoom Gear * <i>* Adhere 1/8" thick foam strips directly to the inside of the zoom sleeve (black clamp not used in this installation).</i>	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
16-35 mm Canon EF f/4L USM + Metabones EF to E Mount Adapter <i>Tripod foot must be removed from Metabones adapter.</i>	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.28 Extension 5510.54 Extension 5509.28 Zoom Gear		
16-50 mm Sony E f/3.5-5.6 PZ OSS	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.16 Extension 5509.27 Zoom Gear	Vignetting (dark shadows in the corners of the image) will be present at 16mm. AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.16 Extension 5509.27 Zoom Gear	
16-70 mm Sony E f/4 ZA OSS Vario-Tessar T*	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.24 Extension 5509.27 Zoom Gear	Vignetting (dark shadows in the corners of the image) will be present between 16-35mm. AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.28 Extension 5509.27 Zoom Gear	
17-40mm Canon f/4.0L EF USM + Metabones Canon EF Lens to Sony E Mount T Smart Adapter (Mark IV) <i>Tripod foot must be removed from adapter.</i>	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.28 Extension 5509.28 Zoom Gear		
18-105 mm Sony E PZ f/4 G OSS 18-200 mm Sony E f/3.5-6.3 OSS 18-200 mm Sony E f/3.5-6.3 OSS LE	Port recommendation not available.		
20 mm Sony E f/2.8	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.11 Extension		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
24 mm Sigma f/1.4 DG HSM Art + Metabones Canon EF Lens to Sony E Mount T Smart Adapter (Mark IV) <i>Tripod foot must be removed from adapter.</i>	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.28 Extension		
24-70 mm Sony FE f/4 ZA OSS Carl Zeiss Vario Tessar T*	AF only. <u>Product(s) required:</u> +4 Diopter Required 5510.45 Dome 5510.24 Extension 5509.28 Zoom Gear	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.28 Extension 5509.28 Zoom Gear	
24-240 mm Sony FE f/3.5-6.3 OSS	Lens not recommended due to zoom range.		
25 mm Zeiss Batis f/2	Lens too large in diameter to operate in port system.		
28 mm Sony FE f/2 28 mm Sony FE f/2 + 16mm Fisheye Conversion Lens SEL057FEC 28 mm Sony FE f/2 + Ultra Wide Converter SEL075UWC	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.24 Extension		
28-70 mm Sony FE f/3.5-5.6 OSS	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.24 Extension 5509.28 Zoom Gear	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.24 Extension 5509.28 Zoom Gear	
28-135 mm Sony FE PZ f/4 G OSS	Lens not supported due to size.		
30 mm Sony E f/3.5 Macro	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.16 Extension		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
35 mm Sony E f/1.8 OSS 35 mm Sony FE f/2.8 ZA Carl Zeiss Sonnar T*	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.11 Extension	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.16 Extension	
35 mm Sony FE f/1.4 ZA Distagon T*	AF only. <u>Product(s) required:</u> 5510.45 Dome 5510.28 Extension	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.28 Extension	
50 mm Sony E f/1.8 OSS 50 mm Sony f/1.8 FE	AF or MF. <u>Product(s) required:</u> 5510.35 Flat Front 5510.16 Extension <u>Optional accessories:</u> 5509.28 Focus Gear	AF or MF. <u>Product(s) required:</u> 5510.45 Flat Front 5510.16 Extension <u>Optional accessories:</u> 5509.28 Focus Gear	
50 mm Sony f/2.8 Macro	AF or MF. <u>Product(s) required:</u> 5510.35 Flat Front 5510.24 Extension <u>Optional accessories:</u> 5509.28 Focus Gear	AF or MF. <u>Product(s) required:</u> 5510.45 Flat Front 5510.16 Extension <u>Optional accessories:</u> 5509.28 Focus Gear	
55 mm Sony FE f/1.8 ZA Carl Zeiss Sonnar T*	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.16 Extension		
55-210 mm Sony E f/4.5-6.3 OSS 70-200 mm Sony FE f/4 G OSS	Lens not recommended due to zoom range and minimum focus distance 1m (39.37").		
90 mm Sony FE f/2.8 Macro G OSS	AF only. <u>Product(s) required:</u> 5510.35 Flat Front 5510.54 Extension 5510.16 Extension		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<p>100 mm Canon f/2.8 EF USM Macro (non-IS) + Metabones Canon EF Lens to Sony E Mount T Smart Adapter (Mark IV)</p> <p><i>Tripod foot must be removed from adapter.</i></p>	<p>AF only.</p> <p>Product(s) required:</p> <p>5510.35 Flat Front 5510.58 Extension 5510.24 Extension</p>	<p>Manual focus.</p> <p>Product(s) required:</p> <p>5510.35 Flat Front 5510.75 Extension 5510.24 Extension</p>	
<p>100 mm Canon f/2.8L EF IS USM Macro + Metabones Canon EF Lens to Sony E Mount T Smart Adapter (Mark IV)</p> <p><i>Tripod foot must be removed from adapter.</i></p>	<p>AF only.</p> <p>Product(s) required:</p> <p>5510.35 Flat Front 5510.58 Extension 5510.24 Extension</p>		