

DLM/A Port System Charts for Sony E-Mount Lenses

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.

The DLM 8" Dome Port # 5516.82 may be substituted with the Modular 8" Dome for FL Systems # 5510.45 + DLM Adapter for Modular 8" Dome # 5516.80 in all instances.

LENSES REFERENCING “+4 DIOPTER REQUIRED”

[Why Your Lens May Need a +4 Diopter Underwater](#)

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 (ø 58mm, 67mm, etc.). All photos will be out of focus if a +4 diopter is required but not used.

HELPFUL LINKS

[How to Polish an Acrylic Dome Port](#)

[Dealing with Droplets when Shooting Split Shots](#)

[Why You Need a Fisheye Lens Underwater](#)

[5 Situations Where You Need a Strobe Underwater](#)

[Using a Trim Weight System for Balance and Stability Underwater](#)

Sony E-Mount Lenses

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
8-15 mm Canon f/4L EF Fisheye USM + Metabones EF to E Mount Adapter <i>Tripod foot must be removed from Metabones adapter.</i>	<p>The only port option that supports zoom. Severe vignetting (shadows around the image) will be present at 8mm. AF only.</p> <p>Product(s) required:</p> <p>5516.15 Dome Port 5516.65 Extension 5509.28 Zoom Gear</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port 5516.69 Extension</p>	
10-17 mm Tokina f/3.5-4.5 AT-X + Metabones EF to E Mount Adapter <i>Tripod foot must be removed from Metabones adapter.</i>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port 5516.65 Extension</p> <p>Optional accessories:</p> <p>47141 Trim Weight</p>	<p>The only port option that supports zoom. AF only.</p> <p>Product(s) required:</p> <p>5516.16 Dome Port 5509.31 Zoom Gear</p>	<p>Compact and lightweight for travel. Best for close focus wide angle. Zoom not supported. Lens must be used at a fixed focal length. Slight vignetting (shadows in the corners of the image) will be present at 10mm. AF only.</p> <p>Product(s) required:</p> <p>5516.12 Dome Port 5516.65 Extension</p>
10-18 mm Sony f/4 OSS E SEL1018	<p>Longer zoom port provides better corner sharpness compared to 5516.15. AF only.</p> <p>Product(s) required:</p> <p>5516.16 Dome Port 5515.43 Zoom Gear</p>	<p>AF only.</p> <p>Product(s) required:</p> <p>5516.15 Dome Port 5515.43 Zoom Gear</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port</p> <p>Optional accessories:</p> <p>47141 Trim Weight</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
10-18 mm Sigma f/2.8 DC DN Contemporary	<p>AF only.</p> <p>Product(s) required:</p> <p>5516.15 Dome Port 5509.31 Zoom Gear</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port</p> <p>Optional accessories:</p> <p>47141 Trim Weight</p>	
10-20 mm Sony f/4 PZ	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Better edge sharpness compared to smaller diameter dome. AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port**</p> <p>Optional accessories:</p> <p>47141 Trim Weight</p> <p>** Zoom by custom assigning zoom function to the directional pad buttons.</p>	<p>Compact and lightweight for travel. AF only.</p> <p>Product(s) required:</p> <p>5516.12 Dome Port**</p> <p>** Zoom by custom assigning zoom function to the directional pad buttons.</p>	<p>AF Only.</p> <p>Product(s) required</p> <p>5516.15 Dome Port</p> <p>Optional accessories:</p> <p>5515.47 Zoom Gear**</p> <p>** Zoom without optional zoom gear by custom assigning zoom function to the directional pad buttons.</p>
11 mm Sony E f/1.8	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port</p> <p>Optional accessories:</p> <p>47141 Trim Weight</p>	<p>AF only.</p> <p>Product(s) required:</p> <p>5516.11 Dome Port</p>	
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>	<p>Slight vignetting (shadows in the corners of the image) will be present.</p> <p>Product(s) required:</p> <p>5516.15 Dome Port 5516.65 Extension 5509.27 Focus Gear</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
12 mm Sony f/2.8 Carl Zeiss Touit	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: 5516.82 Dome Port 0923.81 Anti-Reflection Ring</p> <p>Optional accessories: 47141 Trim Weight</p>	<p>Compact and lightweight for travel. AF only.</p> <p>Product(s) required: 5516.12 Dome Port 0923.81 Anti-Reflection Ring</p>	
14 mm Sony FE f/1.8 GM	<p>Compact for travel. AF only.</p> <p>Product(s) required: 5516.17 Dome Port</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: 5516.82 Dome Port 5516.69 Extension</p>	
15 mm Sony E f/1.4 G	<p>Longer zoom port provides better corner sharpness compared to 5516.15. AF only.</p> <p>Product(s) required: 5516.15 Dome Port</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required: 5516.82 Dome Port</p> <p>Optional accessories: 47141 Trim Weight</p>	<p>AF only.</p> <p>Product(s) required: 5516.12 Dome Port</p>
16 mm Sigma f/1.4 DC DN	<p>Larger dome is best for split shots (half-in, half-out of the water). Compared to shorter ports, this option puts the lens element closest to the center of the dome sphere for optimal sharpness. AF only.</p> <p>Product(s) required: 5516.82 Dome Port 5516.67 Extension</p> <p>Optional accessories: 47141 Trim Weight</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: 5516.82 Dome Port</p>	<p>Compact and lightweight for travel. AF only.</p> <p>Product(s) required: 5516.15 Dome Port 5516.65 Extension</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
16 mm Sony f/2.8 E SEL16F28 16 mm Sony f/2.8 E SEL16F28 + Ultra Wide Converter VCL-ECU1	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: 5516.82 Dome Port</p> <p>Optional accessories: 47141 Trim Weight</p>	<p>Compact and lightweight for travel. Fiber optic cord(s) must be attached prior to installing dome port. AF only.</p> <p>Product(s) required: 5516.11 Dome Port</p>	
16 mm Sony f/2.8 E SEL16F28 + Ultra Wide Converter VCL-ECU2	<p>Longer port provides better edge sharpness compared to 5516.11. AF only.</p> <p>Product(s) required: 5516.12 Dome Port</p>	<p>Compact and lightweight for travel. Less buoyant than 5516.12. Fiber optic cord(s) must be attached prior to installing dome port. AF only.</p> <p>Product(s) required: 5516.11 Dome Port</p>	
16 mm Sony f/2.8 E SEL16F28 + Sony Fisheye Conversion Lens VCL-ECF1 16 mm Sony f/2.8 E SEL16F28 + Sony Fisheye Converter VCL-ECF2	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Minimal vignetting (shadows in the corner of the image) will be present. AF only.</p> <p>Product(s) required: 5516.82 Dome Port</p> <p>Optional accessories: 47141 Trim Weight</p>	<p>Compact and lightweight for travel. Fiber optic cord(s) must be attached prior to installing dome port. AF only.</p> <p>Product(s) required: 5516.11 Dome Port</p>	
16-35 mm Sony FE f/4 PZ G See Installation	<p>AF only.</p> <p>Product(s) required: 5516.17 Dome Port</p> <p>Optional accessories: 0923.76 Anti-Reflection Ring</p> <p>5515.44 Zoom Gear**</p> <p>** Zoom without optional zoom gear by custom assigning zoom function to the directional pad buttons.</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
16-35 mm Sony FE f/4 ZA OSS Vario-Tessar T*	<p>Due to the diameter of this lens, the Lens Extension must be attached to the housing and camera body installed prior to attaching lens to the camera. AF only.</p> <p>Product(s) required:</p> <p>5516.15 Dome Port 5516.65 Extension 5515.43 Zoom Gear* 0923.72 Anti-Reflection Ring <i>* Use clear sleeve only with 1/8" thick foam strips attached directly to the inside of the zoom sleeve.</i></p>		
16-35 mm Canon EF f/4L USM + Metabones EF to E Mount Adapter <i>Tripod foot must be removed from Metabones adapter.</i>	<p>Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required:</p> <p>5516.12 Dome Port 5516.65 Extension 5516.70 Extension 0923.01 Anti-Reflection Ring</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port 5516.65 Extension 5516.70 Extension 0923.01 Anti-Reflection Ring</p> <p>Optional accessories:</p> <p>47141 Trim Weight</p>	
16-50 mm Sony f/3.5-5.6 OSS E PZ SELP1650	<p>The only port option that supports zoom. AF only.</p> <p>Product(s) required:</p> <p>5516.15 Dome Port 0923.73 Anti-Reflection Ring</p> <p>Optional accessories:</p> <p>5515.41 Zoom Gear**</p> <p>** Zoom without optional zoom gear by custom assigning zoom function to the directional pad buttons.</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port** 0923.73 Anti-Reflection Ring</p> <p>Optional accessories:</p> <p>47141 Trim Weight</p> <p>** Zoom by custom assigning zoom function to the directional pad buttons.</p>	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
16-70 mm Sony f/4 ZA OSS Vario-Tessar T* E SEL1670Z	<p>The only port option that supports zoom. AF only.</p> <p>Product(s) required:</p> <p>+2 Diopter Required</p> <p>5516.15 Dome Port</p> <p>5516.65 Extension</p> <p>5509.29 Zoom Gear</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port</p> <p>5516.65 Extension</p> <p>Optional accessories:</p> <p>47141 Trim Weight</p>	<p>The magnifying effect of a flat port is good for macro photography. The front of the port is 67mm threaded. Lens must be used between 50-70mm to eliminate vignetting. Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required:</p> <p>5516.45 Flat Port</p> <p>5516.70 Extension</p>
17-50 mm Tamron f/4 Di III VXD	<p>AF Only.</p> <p>Product(s) required</p> <p>5516.17 Dome Port</p> <p>5516.67 Extension</p> <p>5509.28 Zoom Gear</p>		
18 mm Zeiss Batis f/2.8	<p>Lens too large in diameter to fit in port system.</p>		
18-50 mm Sigma DC DN Contemporary	<p>Dome port and lens must be removed before removing camera body from the housing. AF Only.</p> <p>Product(s) required</p> <p>5516.16 Dome Port</p> <p>5509.30 Zoom Gear</p>		
18-55 mm Sony f/3.5-5.6 OSS E SEL1855	<p>The only port option that supports zoom. AF only.</p> <p>Product(s) required:</p> <p>5516.15 Dome Port</p> <p>5515.42 Zoom Gear</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port</p> <p>Optional accessories:</p> <p>47141 Trim Weight</p>	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
18-55 mm Canon f/4.5-5.6 IS STM + Metabones EF to E Mount Adapter <i>Tripod foot must be removed from Metabones adapter.</i>	<p>AF only.</p> <p>Product(s) required:</p> <p>5516.15 Dome Port 5516.65 Extension 5509.19 Zoom Gear</p>		
18-105 mm Sony f/4 G OSS E PZ SELP18105G	Port recommendation not available for this lens.		
18-200 mm Sony f/3.5-6.3 OSS E SEL18200(LE)	Lens not recommended for use underwater due to range.		
20 mm Sony f/1.8 G	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port</p> <p>Optional accessories:</p> <p>47141 Trim Weight</p>	<p>Compact and lightweight for travel. Best for close focus wide angle. AF only.</p> <p>Product(s) required:</p> <p>5516.15 Dome Port</p>	
20 mm Sony f/2.8 E SEL20F28	<p>Fiber optic cord(s) must be attached prior to installing dome port. AF only.</p> <p>Product(s) required:</p> <p>5516.11 Dome Port</p>		
20 mm Sony f/2.8 E SEL20F28 + Fisheye Converter VCL-ECF2	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required:</p> <p>5516.82 Dome Port</p> <p>Optional accessories:</p> <p>47141 Trim Weight</p>	<p>Compact and lightweight for travel. Best for close focus wide angle. AF only.</p> <p>Product(s) required:</p> <p>5516.12 Dome Port</p>	<p>Compact and lightweight for travel. Best for close focus wide angle. Fiber optic cord(s) must be attached prior to installing dome port. AF only.</p> <p>Product(s) required:</p> <p>5516.11 Dome Port</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
24-70 mm Sony FE f/4 ZA OSS Carl Zeiss Vario Tessar T*	<p>Due to the diameter of this lens, the Lens Extension must be attached to the housing and camera body installed prior to attaching lens to the camera. AF only.</p> <p>Product(s) required: +4 Diopter Required 5516.15 Dome Port 5516.69 Extension 5509.28 Zoom Gear</p>		
24-240 mm Sony f/3.5-6.3 OSS E SEL24240	Lens not recommended for use underwater due to range.		
28 mm Sony f/2 FE SEL28F20	<p>AF or MF. Manual focus requires optional focus gear.</p> <p>Product(s) required: 5516.15 Dome Port</p> <p>Optional accessories: 5509.31 Focus Gear</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: 5516.82 Dome Port</p> <p>Optional accessories: 47141 Trim Weight</p>	<p>Compact and lightweight for travel. Fiber optic cord(s) must be attached prior to installing dome port. AF only.</p> <p>Product(s) required: 5516.11 Dome Port</p>
28 mm Sony f/2 FE + Ultra Wide Converter SEL075UWC	<p>AF only.</p> <p>Product(s) required: 5516.12 Dome Port 5516.70 Extension</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: 5516.82 Dome Port</p> <p>Optional accessories: 47141 Trim Weight</p>	
28-60 mm Sony f/4-5.6 FE	<p>Longer zoom port provides better corner sharpness compared to 5516.16 or 5516.15. AF Only.</p> <p>Product(s) required 5516.17 Dome Port 5515.48 Zoom Gear 0923.77 Anti-Reflection Ring</p>	<p>AF Only.</p> <p>Product(s) required 5516.16 Dome Port 5515.48 Zoom Gear 0923.77 Anti-Reflection Ring</p>	<p>AF Only.</p> <p>Product(s) required 5516.15 Dome Port 5515.48 Zoom Gear 0923.77 Anti-Reflection Ring</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
28-70 mm Sony f/3.5-5.6 OSS FE SEL2870	<p>The only port option that supports zoom. AF only.</p> <p>Product(s) required: +4 Diopter Required 5516.15 Dome Port 5509.31 Zoom Gear</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p>Product(s) required: +4 Diopter Required 5516.82 Dome Port</p> <p>Optional accessories: 47141 Trim Weight</p>	
30 mm Sony E f/3.5 Macro E SEL30M35	<p>The front of the port is 67mm threaded. AF only.</p> <p>Product(s) required: 5516.45 Flat Port</p>		
35 mm Sony f/1.8 OSS E SEL35F18	<p>Port recommendation not available for this lens.</p>		
50 mm Sony f/1.8 OSS E SEL50F18 50 mm Sony f/1.8 FE	<p>The magnifying effect of a flat port is good for macro photography. The front of the port is 67mm threaded. AF only.</p> <p>Product(s) required: 5516.45 Flat Port</p>	<p>Manual focus with optional focus gear.</p> <p>Product(s) required: +4 Diopter Required 5516.15 Dome Port</p> <p>Optional accessories: 5515.42 Focus Gear</p>	<p>AF only.</p> <p>Product(s) required: +4 Diopter Required 5516.12 Dome Port</p>
50 mm Sony f/2.8 Macro	<p>The magnifying effect of a flat port is good for macro photography. The front of the port is 67mm threaded. AF only.</p> <p>Product(s) required: 5516.45 Flat Port 5516.65 Extension</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: 5516.82 Dome Port 5516.65 Extension</p> <p>Optional accessories: 47141 Trim Weight</p>	<p>Manual focus with optional focus gear.</p> <p>Product(s) required: 5516.15 Dome Port 5516.65 Extension</p> <p>Optional accessories: 5509.28 Focus Gear</p>
50 mm Zeiss Touit f/2.8	<p>AF only.</p> <p>Product(s) required: 5516.45 Flat Port 5516.65 Extension</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
55-210 mm Sony f/4.5-6.3 OSS E SEL55210	Lens not recommended for use underwater due to range.		
60 mm Canon f/2.8 Macro + Metabones EF to E Mount Adapter <i>Tripod foot must be removed from Metabones adapter.</i>	AF only. <u>Product(s) required:</u> 5516.50 Flat Port 5516.65 Extension		
90 mm Sony f/2.8 G OSS Macro See Review	AF only. <u>Product(s) required:</u> 5516.50 Flat Port 5516.70 Extension		
100 mm Canon f/2.8L EF IS USM Macro + Metabones EF to E Mount Adapter <i>Tripod foot must be removed from Metabones adapter.</i>	AF only. <u>Product(s) required:</u> 5516.50 Flat Port 5516.65 Extension 5516.70 Extension		