



# 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 DIOPTRER 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 ( $\emptyset$  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
<p><b>8-15 mm Canon f/4L EF Fisheye USM + Metabones EF to E Mount Adapter</b></p> <p><i>Tripod foot must be removed from Metabones adapter.</i></p>	<p>The only port option that supports zoom. Severe vignetting (shadows around the image) will be present at 8mm. AF only.</p> <p><u>Product(s) required:</u>  <b>5516.15</b> Dome Port  <b>5516.65</b> Extension  <b>5509.28</b> 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><u>Product(s) required:</u>  <b>5516.82</b> Dome Port  <b>5516.69</b> Extension</p>	
<p><b>10-17 mm Tokina f/3.5-4.5 AT-X + Metabones EF to E Mount Adapter</b></p> <p><i>Tripod foot must be removed from Metabones adapter.</i></p> <p><a href="#">See Installation</a></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><u>Product(s) required:</u>  <b>5516.82</b> Dome Port  <b>5516.65</b> Extension</p> <p><u>Optional accessories:</u>  <b>47141</b> Trim Weight</p>	<p>The only port option that supports zoom. AF only.</p> <p><u>Product(s) required:</u>  <b>5516.16</b> Dome Port  <b>5509.31</b> 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><u>Product(s) required:</u>  <b>5516.12</b> Dome Port  <b>5516.65</b> Extension</p>
<p><b>10-18 mm Sony f/4 OSS E SEL1018</b></p>	<p>Longer zoom port provides better corner sharpness compared to 5516.15. AF only.</p> <p><u>Product(s) required:</u>  <b>5516.16</b> Dome Port  <b>5515.43</b> Zoom Gear</p>	<p>AF only.</p> <p><u>Product(s) required:</u>  <b>5516.15</b> Dome Port  <b>5515.43</b> 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><u>Product(s) required:</u>  <b>5516.82</b> Dome Port</p> <p><u>Optional accessories:</u>  <b>47141</b> Trim Weight</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>10-18 mm Sigma f/2.8 DC DN Contemporary</b>	<p>AF only.</p> <p><b>Product(s) required:</b>  <b>5516.15</b> Dome Port  <b>5509.31</b> 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><b>Product(s) required:</b>  <b>5516.82</b> Dome Port</p> <p><b>Optional accessories:</b>  <b>47141</b> Trim Weight</p>	
<b>10-20 mm Sony f/4 PZ</b>	<p>The only port option that supports zoom. AF Only.</p> <p><b>Product(s) required</b>  <b>5516.15</b> Dome Port  <b>5515.47</b> 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><b>Product(s) required:</b>  <b>5516.82</b> Dome Port</p> <p><b>Optional accessories:</b>  <b>47141</b> Trim Weight</p>	<p>Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p><b>Product(s) required:</b>  <b>5516.12</b> Dome Port</p>
<b>11 mm Sony E f/1.8</b>	<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><b>Product(s) required:</b>  <b>5516.82</b> Dome Port</p> <p><b>Optional accessories:</b>  <b>47141</b> Trim Weight</p>	<p>AF only.</p> <p><b>Product(s) required:</b>  <b>5516.11</b> Dome Port</p>	
<b>12 mm Rokinon f/2.8 Full Frame Fisheye + Metabones EF to E Mount Adapter</b>  <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><b>Product(s) required:</b>  <b>5516.15</b> Dome Port  <b>5516.65</b> Extension  <b>5509.27</b> Focus Gear</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>12 mm Sony f/2.8 Carl Zeiss Touit</b>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><b>Product(s) required:</b> 5516.82 Dome Port 0923.81 Anti-Reflection Ring</p> <p><b>Optional accessories:</b> 47141 Trim Weight</p>	<p>Compact and lightweight for travel. AF only.</p> <p><b>Product(s) required:</b> 5516.12 Dome Port 0923.81 Anti-Reflection Ring</p>	
<b>14 mm Sony FE f/1.8 GM</b>	<p>Compact for travel. AF only.</p> <p><b>Product(s) required:</b> 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><b>Product(s) required:</b> 5516.82 Dome Port 5516.69 Extension</p>	
<b>15 mm Sony E f/1.4 G</b>	<p>Longer zoom port provides better corner sharpness compared to 5516.15. AF only.</p> <p><b>Product(s) required:</b> 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><b>Product(s) required:</b> 5516.82 Dome Port</p> <p><b>Optional accessories:</b> 47141 Trim Weight</p>	<p>AF only.</p> <p><b>Product(s) required:</b> 5516.12 Dome Port</p>
<b>16 mm Sigma f/1.4 DC DN</b>	<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><b>Product(s) required:</b> 5516.82 Dome Port 5516.67 Extension</p> <p><b>Optional accessories:</b> 47141 Trim Weight</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><b>Product(s) required:</b> 5516.82 Dome Port</p>	<p>Compact and lightweight for travel. AF only.</p> <p><b>Product(s) required:</b> 5516.15 Dome Port 5516.65 Extension</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>16 mm Sony f/2.8 E SEL16F28</b> <b>16 mm Sony f/2.8 E SEL16F28 + Ultra Wide Converter VCL-ECU1</b>	Larger radius dome is best for split shots (half-in, half-out of the water). AF only.  <u>Product(s) required:</u> <b>5516.82</b> Dome Port  <u>Optional accessories:</u> <b>47141</b> Trim Weight	Compact and lightweight for travel. Fiber optic cord(s) must be attached prior to installing dome port. AF only.  <u>Product(s) required:</u> <b>5516.11</b> Dome Port	
<b>16 mm Sony f/2.8 E SEL16F28 + Ultra Wide Converter VCL-ECU2</b>	Longer port provides better edge sharpness compared to 5516.11. AF only.  <u>Product(s) required:</u> <b>5516.12</b> Dome Port	Compact and lightweight for travel. Less buoyant than 5516.12. Fiber optic cord(s) must be attached prior to installing dome port. AF only.  <u>Product(s) required:</u> <b>5516.11</b> Dome Port	
<b>16 mm Sony f/2.8 E SEL16F28 + Sony Fisheye Conversion Lens VCL-ECF1</b> <b>16 mm Sony f/2.8 E SEL16F28 + Sony Fisheye Converter VCL-ECF2</b>	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.  <u>Product(s) required:</u> <b>5516.82</b> Dome Port  <u>Optional accessories:</u> <b>47141</b> Trim Weight	Compact and lightweight for travel. Fiber optic cord(s) must be attached prior to installing dome port. AF only.  <u>Product(s) required:</u> <b>5516.11</b> Dome Port	
<b>16-35 mm Sony FE f/4 PZ G</b> <a href="#">See Installation</a>	AF only.  <u>Product(s) required:</u> <b>5516.17</b> Dome Port <b>5515.44</b> Zoom Gear <b>0923.76</b> Anti-Reflection Ring		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>16-35 mm Sony FE f/4 ZA OSS Vario-Tessar T*</b>	<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><b>Product(s) required:</b>  <b>5516.15</b> Dome Port  <b>5516.65</b> Extension  <b>5515.43</b> Zoom Gear*  <b>0923.72</b> 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>		
<b>16-35 mm Canon EF f/4L USM + Metabones EF to E Mount Adapter</b>  <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><b>Product(s) required:</b>  <b>5516.12</b> Dome Port  <b>5516.65</b> Extension  <b>5516.70</b> Extension  <b>0923.01</b> 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><b>Product(s) required:</b>  <b>5516.82</b> Dome Port  <b>5516.65</b> Extension  <b>5516.70</b> Extension  <b>0923.01</b> Anti-Reflection Ring</p> <p><b>Optional accessories:</b>  <b>47141</b> Trim Weight</p>	
<b>16-50 mm Sony f/3.5-5.6 OSS E PZ SELP1650</b>	<p>The only port option that supports zoom. AF only.</p> <p><b>Product(s) required:</b>  <b>5516.15</b> Dome Port  <b>5515.41</b> Zoom Gear  <b>0923.73</b> 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><b>Product(s) required:</b>  <b>5516.82</b> Dome Port  <b>0923.73</b> Anti-Reflection Ring</p> <p><b>Optional accessories:</b>  <b>47141</b> Trim Weight</p>	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>16-70 mm Sony f/4 ZA OSS Vario-Tessar T* E SEL1670Z</b>	<p>The only port option that supports zoom. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>+2 Diopter Required</b>  <b>5516.15</b> Dome Port  <b>5516.65</b> Extension  <b>5509.29</b> 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><b>Product(s) required:</b></p> <p><b>5516.82</b> Dome Port  <b>5516.65</b> Extension</p> <p><b>Optional accessories:</b></p> <p><b>47141</b> 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><b>Product(s) required:</b></p> <p><b>5516.45</b> Flat Port  <b>5516.70</b> Extension</p>
<b>17-50 mm Tamron f/4 Di III VXD</b>	<p>AF Only.</p> <p><b>Product(s) required</b></p> <p><b>5516.17</b> Dome Port  <b>5516.67</b> Extension  <b>5509.28</b> Zoom Gear</p>		
<b>18 mm Zeiss Batis f/2.8</b>	<p>Lens too large in diameter to fit in port system.</p>		
<b>18-55 mm Sony f/3.5-5.6 OSS E SEL1855</b>	<p>The only port option that supports zoom. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.15</b> Dome Port  <b>5515.42</b> 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><b>Product(s) required:</b></p> <p><b>5516.82</b> Dome Port</p> <p><b>Optional accessories:</b></p> <p><b>47141</b> Trim Weight</p>	
<b>18-55 mm Canon f/4.5-5.6 IS STM + Metabones EF to E Mount Adapter</b>  <i>Tripod foot must be removed from Metabones adapter.</i>	<p>AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.15</b> Dome Port  <b>5516.65</b> Extension  <b>5509.19</b> Zoom Gear</p>		
<b>18-105 mm Sony f/4 G OSS E PZ SELP18105G</b>	<p>Port recommendation not available for this lens.</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>18-200 mm Sony f/3.5-6.3 OSS E</b> SEL18200(LE)	Lens not recommended for use underwater due to range.		
<b>20 mm Sony f/1.8 G</b>	Larger radius dome is best for split shots (half-in, half-out of the water). AF only.  <b>Product(s) required:</b> <b>5516.82</b> Dome Port  <b>Optional accessories:</b> <b>47141</b> Trim Weight	Compact and lightweight for travel. Best for close focus wide angle. AF only.  <b>Product(s) required:</b> <b>5516.15</b> Dome Port	
<b>20 mm Sony f/2.8 E</b> SEL20F28	Fiber optic cord(s) must be attached prior to installing dome port. AF only.  <b>Product(s) required:</b> <b>5516.11</b> Dome Port		
<b>20 mm Sony f/2.8 E</b> SEL20F28 + <b>Fisheye Converter</b> VCL-ECF2	Larger radius dome is best for split shots (half-in, half-out of the water). AF only.  <b>Product(s) required:</b> <b>5516.82</b> Dome Port  <b>Optional accessories:</b> <b>47141</b> Trim Weight	Compact and lightweight for travel. Best for close focus wide angle. AF only.  <b>Product(s) required:</b> <b>5516.12</b> Dome Port	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.  <b>Product(s) required:</b> <b>5516.11</b> Dome Port
<b>24-70 mm Sony FE f/4 ZA OSS</b> <b>Carl Zeiss Vario Tessar T*</b>	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.  <b>Product(s) required:</b> <b>+4 Diopter Required</b> <b>5516.15</b> Dome Port <b>5516.69</b> Extension <b>5509.28</b> Zoom Gear		
<b>24-240 mm Sony f/3.5-6.3 OSS E</b> SEL24240	Lens not recommended for use underwater due to range.		



	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>28 mm Sony f/2 FE SEL28F20</b>	<p>AF or MF. Manual focus requires optional focus gear.</p> <p><b>Product(s) required:</b> 5516.15 Dome Port</p> <p><b>Optional accessories:</b> 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><b>Product(s) required:</b> 5516.82 Dome Port</p> <p><b>Optional accessories:</b> 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><b>Product(s) required:</b> 5516.11 Dome Port</p>
<b>28 mm Sony f/2 FE + Ultra Wide Converter SEL075UWC</b>	<p>AF only.</p> <p><b>Product(s) required:</b> 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><b>Product(s) required:</b> 5516.82 Dome Port</p> <p><b>Optional accessories:</b> 47141 Trim Weight</p>	
<b>28-60 mm Sony f/4-5.6 FE</b>	<p>Longer zoom port provides better corner sharpness compared to 5516.16 or 5516.15. AF Only.</p> <p><b>Product(s) required</b> 5516.17 Dome Port 5515.48 Zoom Gear 0923.77 Anti-Reflection Ring</p>	<p>AF Only.</p> <p><b>Product(s) required</b> 5516.16 Dome Port 5515.48 Zoom Gear 0923.77 Anti-Reflection Ring</p>	<p>AF Only.</p> <p><b>Product(s) required</b> 5516.15 Dome Port 5515.48 Zoom Gear 0923.77 Anti-Reflection Ring</p>
<b>28-70 mm Sony f/3.5-5.6 OSS FE SEL2870</b>	<p>The only port option that supports zoom. AF only.</p> <p><b>Product(s) required:</b> +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><b>Product(s) required:</b> +4 Diopter Required 5516.82 Dome Port</p> <p><b>Optional accessories:</b> 47141 Trim Weight</p>	
<b>30 mm Sony E f/3.5 Macro E SEL30M35</b>	<p>The front of the port is 67mm threaded. AF only.</p> <p><b>Product(s) required:</b> 5516.45 Flat Port</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>35 mm Sony f/1.8 OSS E</b> SEL35F18	Port recommendation not available for this lens.		
<b>50 mm Sony f/1.8 OSS E</b> SEL50F18 <b>50 mm Sony f/1.8 FE</b>	The magnifying effect of a flat port is good for macro photography. The front of the port is 67mm threaded. AF only.  <u>Product(s) required:</u> <b>5516.45</b> Flat Port	Manual focus with optional focus gear.  <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5516.15</b> Dome Port  <u>Optional accessories:</u> <b>5515.42</b> Focus Gear	AF only.  <u>Product(s) required:</u> <b>+4 Diopter Required</b> <b>5516.12</b> Dome Port
<b>50 mm Sony f/2.8 Macro</b>	The magnifying effect of a flat port is good for macro photography. The front of the port is 67mm threaded. AF only.  <u>Product(s) required:</u> <b>5516.45</b> Flat Port <b>5516.65</b> Extension	Larger radius dome is best for split shots (half-in, half-out of the water). AF only.  <u>Product(s) required:</u> <b>5516.82</b> Dome Port <b>5516.65</b> Extension  <u>Optional accessories:</u> <b>47141</b> Trim Weight	Manual focus with optional focus gear.  <u>Product(s) required:</u> <b>5516.15</b> Dome Port <b>5516.65</b> Extension  <u>Optional accessories:</u> <b>5509.28</b> Focus Gear
<b>50 mm Zeiss Touit f/2.8</b>	AF only.  <u>Product(s) required:</u> <b>5516.45</b> Flat Port <b>5516.65</b> Extension		
<b>55-210 mm Sony f/4.5-6.3 OSS E</b> SEL55210	Lens not recommended for use underwater due to range.		
<b>60 mm Canon f/2.8 Macro + Metabones EF to E Mount Adapter</b>  <i>Tripod foot must be removed from Metabones adapter.</i>	AF only.  <u>Product(s) required:</u> <b>5516.50</b> Flat Port <b>5516.65</b> Extension		
<b>90 mm Sony f/2.8 G OSS Macro</b> <a href="#">See Review</a>	AF only.  <u>Product(s) required:</u> <b>5516.50</b> Flat Port <b>5516.70</b> Extension		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>100 mm Canon f/2.8L EF IS USM Macro + Metabones EF to E Mount Adapter</b>  <i>Tripod foot must be removed from Metabones adapter.</i>	AF only.  <u>Product(s) required:</u> <b>5516.50</b> Flat Port <b>5516.65</b> Extension <b>5516.70</b> Extension		