



# DLM/B (Dry Lock Micro Type B) 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.

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"

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.

# Olympus & Panasonic Micro 4/3 Lenses

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>7-14 mm f/2.8 Olympus ED Pro</b>	<p>The only port option that supports zoom. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.16</b> Dome Port <b>5515.09</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>	
<b>7-14 mm f/4 Panasonic Lumix G Vario ASPH</b>	<p>The only port option that supports zoom. Some vignetting will be present at 7mm. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.15</b> Dome Port <b>5515.24</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>	
<b>8 mm f/1.8 Olympus M.Zuiko Fisheye Pro</b>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). No vignetting. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.82</b> Dome Port</p>	<p>Vignetting (dark shadows around the edges of the image) will be present. Vignetting can be reduced by removing the dome shade. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.12</b> Dome Port</p>	
<b>8 mm f/3.5 Panasonic Lumix G Fisheye</b>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). Vignetting (dark shadows around the edges of the image) will be present. Shade should be removed to reduce vignetting. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.82</b> Dome Port</p>	<p>Vignetting (dark shadows around the edges of the image) will be present. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.11</b> Dome Port</p>	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>8-18 mm f/2.8-4.0 Panasonic Leica DG Vario-Elmarit ASPH</b>	<p>The only port option that supports zoom. AF only.</p> <p><u>Product(s) required:</u></p> <p><b>5516.15</b> Dome Port <b>5515.08</b> Zoom Gear</p> <p><u>Optional accessories:</u></p> <p><b>0923.52</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><u>Product(s) required:</u></p> <p><b>5516.82</b> Dome Port <b>5516.65</b> Extension</p> <p><u>Optional accessories:</u></p> <p><b>0923.52</b> Anti-Reflection Ring</p>	
<b>9-18 mm f/4.0-5.6 Olympus M.Zuiko ED</b>	<p>The only port option that supports zoom. AF only.</p> <p><u>Product(s) required:</u></p> <p><b>5516.15</b> Dome Port <b>5515.23</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></p> <p><b>5516.82</b> Dome Port</p>	
<b>12 mm f/2 Olympus M.Zuiko Digital ED</b>	<p>Best for close focus wide angle and most compact for travel. AF only.</p> <p><u>Product(s) required:</u></p> <p><b>5516.11</b> Dome Port</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><u>Product(s) required:</u></p> <p><b>5516.82</b> Dome Port</p>	<p>AF only.</p> <p><u>Product(s) required:</u></p> <p><b>5516.12</b> Dome Port</p>
<b>12 mm f/1.4 Panasonic Lumix ASPH</b>	Recommendation not available		
<b>12-32 mm f/3.5-5.6 Panasonic Lumix G Vario HD</b>	<p>The only port option that supports zoom. AF only.</p> <p><u>Product(s) required:</u></p> <p><b>5516.15</b> Dome Port <b>5515.23</b> Zoom Gear</p>	<p>Allows the attachment of 67mm threaded wide angle or macro lenses. Lens must be used at 32mm to eliminate vignetting. Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p><u>Product(s) required:</u></p> <p><b>5516.45</b> Flat 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><u>Product(s) required:</u></p> <p><b>5516.82</b> Dome Port</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>12-35 mm Panasonic f/2.8 ASPH Power OIS</b> <b>12-35 mm Panasonic f/2.8 II ASPH Power OIS</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>5515.26</b> Zoom Gear</p> <p><b>Optional accessories:</b></p> <p><b>0923.51</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></p> <p><b>5516.82</b> Dome Port</p> <p><b>Optional accessories:</b></p> <p><b>0923.51</b> Anti-Reflection Ring</p>	
<b>12-40 mm f/2.8 Olympus M.Zuiko ED Pro</b>	<p>Very slight vignetting may be present at 12mm due to image stabilization. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.15</b> Dome Port <b>5516.65</b> Extension <b>5515.07</b> Zoom Gear</p>	<p>Slight vignetting will be present at 12mm due to image stabilization. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.16</b> Dome Port <b>5516.65</b> Extension <b>5515.07</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>
<b>12-45 mm f/4 Olympus M.Zuiko Digital ED Pro</b>	<p>Compared to a shorter port, this option puts the lens element closer to the center of the dome sphere for improved sharpness. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.16</b> Dome Port <b>5515.42</b> Zoom Gear</p>	<p>AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.15</b> Dome Port <b>5515.42</b> Zoom Gear</p>	
<b>12-50 mm f/3.5-6.3 Olympus M.Zuiko Digital ED EZ</b>	<p>The only port option that supports zoom. Switch lens to "M-ZOOM" prior to installation. No access to L-Fn or Macro buttons. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>5516.15</b> Dome Port <b>5515.21</b> Zoom Gear</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 at 50mm 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>5516.50</b> Flat Port</p>	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>12-60 mm f/2.8-4.0 Panasonic Leica DG Vario-Elmarit ASPH Power OIS</b>	<p>The only port option that supports zoom. Slight vignetting (dark shadows in the corners of the image) will be present at 12mm.</p> <p><b>Product(s) required:</b>  <b>5516.15</b> Dome Port  <b>5516.65</b> Extension  <b>5509.27</b> Zoom Gear</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 40-60mm to eliminate vignetting. Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p><b>Product(s) required:</b>  <b>5516.45</b> Flat Port  <b>5516.67</b> Extension</p>	<p>Larger radius dome is best for split shots (half-in, half-out of the water). No vignetting. 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</p>
<b>12-60 mm f/3.5-5.6 Panasonic ASPH Power OIS</b>	<p>Compared to a shorter port, this option puts the lens element closer to the center of the dome sphere for improved sharpness. Zoom gear may alternatively be used to manually focus.</p> <p><b>Product(s) required:</b>  <b>5516.16</b> Dome Port  <b>5515.28</b> Zoom Gear</p>	<p>Zoom gear may alternatively be used to manually focus.</p> <p><b>Product(s) required:</b>  <b>5516.15</b> Dome Port  <b>5515.28</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><b>Product(s) required:</b>  <b>5516.82</b> Dome Port</p>
<b>12-100 mm f/4.0 Olympus M.Zuiko Digital ED IS Pro</b>	<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 70-100mm to eliminate vignetting. Zoom not supported. Lens must be used at a fixed focal length. No access to L-Fn button or IS switch. AF only.</p> <p><b>Product(s) required:</b>  <b>5516.50</b> Flat Port  <b>5516.65</b> Extension  <b>5516.69</b> Extension</p>		
<b>14 mm f/2.5 Panasonic ASPH II</b>	<p>Recommendation not available</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>14-42 mm f/3.5-5.6 Olympus M.Zuiko ED</b>	<p>The only port option that supports zoom. Autofocus only. May alternatively use the <b>5516.16</b> or <b>5516.17</b> Dome Port.</p> <p><b>Product(s) required:</b>  <b>5516.15</b> Dome Port  <b>5515.08</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>	
<b>14-42 mm f/3.5-5.6 Olympus M.Zuiko ED EZ</b>	<p>The only port option that supports zoom. Autofocus only. May alternatively use the <b>5516.16</b> or <b>5516.17</b> Dome Port.</p> <p><b>Product(s) required:</b>  <b>5516.15</b> Dome Port  <b>5509.24</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>	
<b>14-42 mm f/3.5-5.6 Olympus M.Zuiko ED II (R)</b>	<p>The only port option that supports zoom. Autofocus only. May alternatively use the <b>5516.16</b> or <b>5516.17</b> Dome Port.</p> <p><b>Product(s) required:</b>  <b>5516.15</b> Dome Port  <b>5515.23</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>	
<b>14-42 mm f/3.5-5.6 Olympus M.Zuiko ED II (R) + Olympus Fisheye Converter FCON-P01</b>	<p>The only port option that supports zoom. Autofocus only. May alternatively use the <b>5516.16</b> or <b>5516.17</b> Dome Port.</p> <p><b>Product(s) required:</b>  <b>5516.15</b> Dome Port  <b>5515.23</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  <b>5516.65</b> Extension</p>	
<b>14-42 mm f/3.5-5.6 Panasonic 14-42 mm f/3.5-5.6 Panasonic ASPH Mega OIS</b>	Recommendation not available.		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>14-42 mm f/3.5-5.6 II Panasonic ASPH Mega OIS</b>	<p>The only port option that supports zoom. Autofocus only. May alternatively use the <b>5516.16</b> or <b>5516.17</b> Dome Port. The 5516.17 Dome Port will exhibit slight vignetting (dark shadows in the corners of the image) when used with a full frame camera.</p> <p><u>Product(s) required:</u> <b>5516.15</b> Dome Port <b>5515.23</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>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 30-42mm to eliminate vignetting. Zoom not supported. Lens must be used at a fixed focal length. AF only.</p> <p><u>Product(s) required:</u> <b>5516.45</b> Flat Port</p>
<b>14-45 mm f/3.5-5.6 Panasonic ASPH Mega OIS</b>	<p>AF only.</p> <p><u>Product(s) required:</u> <b>5516.15</b> Dome Port <b>5515.27</b> Zoom Gear</p>		
<b>14-150 mm f/4.0-5.6 Olympus M.Zuiko ED II</b>	Lens not recommended for underwater use due to extended zoom range.		
<b>30 mm f/3.5 Olympus M.Zuiko Digital ED Macro</b>	<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><u>Product(s) required:</u> <b>5516.45</b> Flat Port</p>	<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><u>Product(s) required:</u> <b>5516.50</b> Flat Port</p>	<p>AF or MF. Manual focus requires optional focus gear.</p> <p><u>Product(s) required:</u> <b>5516.15</b> Dome Port</p> <p><u>Optional accessories:</u> <b>5515.01</b> Focus Gear</p>
<b>30 mm f/2.8 Panasonic Macro ASPH Mega OIS</b>	Recommendation not available		
<b>40-150 mm f/4.0-5.6 Olympus M.Zuiko ED R</b>	Lens not recommended for underwater use due to extended zoom range.		
<b>45 mm f/2.8 Panasonic ASPH Mega OIS</b>	<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><u>Product(s) required:</u> <b>5516.45</b> Flat Port</p>	<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><u>Product(s) required:</u> <b>5516.50</b> Flat Port</p>	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>60 mm f/2.8 Olympus M.Zuiko Macro ED</b>	<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><b>Product(s) required:</b> <b>5516.50 Flat Port</b></p>		
<b>75 mm f/1.8 Olympus M.Zuiko</b>	Lens not recommended for underwater use due to minimum focus distance of 33.07" (0.84 m).		
<b>75-300 mm f/4.8-6.7 Olympus M.Zuiko ED II</b>	Lens not recommended for underwater use due to range and minimum focus distance of 35.43" (0.90 m).		