



Port Recommendations for Ikelite Housings with Dry Lock (DL) Port System

Reading the Chart

Lenses are listed by manufacturer and are sorted in numerical order by focal length. Shorter focal lengths have a wider field of view; longer focal lengths are more narrow.

Port Recommendation Column

Recommendations are based on the best information we have available at the time and are subject to change without notice. Improper fit may occur due to lens hoods, optional accessories, incorrect information from the lens manufacturer, typos, or corrupt data. As with all underwater equipment, please assemble and check your system for fit with plenty of time *prior to leaving on your trip*. Some vignetting (dark shading in the corners of the image), lack of edge definition, and/or spherical aberration may be present depending on choice of lens and port.

Zoom or Focus

In general, dome ports are recommended for zoom lenses to allow maximum use of the lens' zoom range with little or no vignetting. All lenses support auto focus (AF) only unless otherwise noted. If a gear is listed for a fixed lens, this is an optional gear for manual focus.

+4 Close-Up Lens

Dome ports create an apparent image approximately 12" from the camera's sensor plane when taken under water. A lens must have a minimum focus distance of less than 12" to achieve focus behind a dome. This additional lens shortens the minimum focus distance of your lens to less than 12" to provide sharp images when using a dome under water. A +4 close-up lens (or 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.).

Lens Missing?

We do not have access to every lens on the market in order to provide a recommendation. If you need help selecting a port for a lens not listed, please email us at ikelite@ikelite.com with the full lens name, and verified lens diameter and fully extended length measured with calipers from the camera's lens mount including any lens hood or projections. We are not able to provide recommendations for extending zoom lenses based on manufacturer's published specifications—the lens must be measured by hand in order to select an appropriate port. We are not able to provide information on possible vignetting or corner softness for lenses we have not tested.

Ikelite Port Systems



DL SYSTEM
“Dry Lock”



DLM SYSTEM
“Dry Lock Micro”



FL SYSTEM
“Four Lock”

Dry Lock (DL) System

The DL system was designed to accommodate larger diameter lenses, especially popular with full frame camera systems. The DL system uses the same sealing mechanism made popular on our compact DSLR and compact mirrorless housings. This system utilizes a unique “external o-ring seal” which makes the port sealing o-ring highly visible and keeps water from dropping onto the camera body and sensor during lens changes. The DL system has a rugged locking mechanism which is simple and secure without any complex gearing or parts that may break in a remote location. The system is designed with positive orientation and virtually no movement when secured properly—perfect for use in the surf and at depths up to 200’ (60m).

Dry Lock Micro (DLM) System

The DLM system is a miniaturized version of the DL system featured on housings for mirrorless and micro four-thirds cameras with compact body styles. It is also used on the compact DSLR housing for the Canon EOS 100D Rebel SL1.

Four Lock (FL) System

The FL system was a 2009 update to the legacy Two Lock port system that originated with film SLR housings in the late 1970s. Though the locking mechanism is reliable and simple to use, the system supports a maximum lens diameter of only 3.4”. This limitation is particularly difficult when working with newer full frame lenses which feature more advanced image stabilization and are brighter than their predecessors. Because the DL port opening is so much larger and has an external sealing mechanism, older lens ports designed for our Two and Four Lock systems **cannot** be used with the newer DL system.

DL System Products

	Product Number	Weight	Description
20MM PORT EXTENSION	75020	162g	Extends a DL system dome or flat port by approximately 20mm (actual 0.81").
28MM PORT EXTENSION	75028	197g	Extends a DL system dome or flat port by approximately 28mm (actual 1.025").
42MM PORT EXTENSION	75042	244g	Extends a DL system dome or flat port by approximately 42mm (actual 1.667").
50MM PORT EXTENSION	75050	267g	Extends a DL system dome or flat port by approximately 50mm (actual 2.00").
MACRO FLAT PORT M67	75301	230g	Port with flat optical glass element. 67mm threaded outer front for the attachment of external macro wet lenses. Accepts Ikelite 3.0" diameter filters and accessories. May be attached directly to the DL port base or combined with extension(s).
8" DOME PORT	75340	983g	8" diameter dome made of optical grade acrylic. Comparable quality to glass but significantly lighter and easier to handle, especially at the surface of the water. Not compatible with external filters. May be attached directly to the DL port base or combined with extension(s).
8" DOME PORT WITH EXTENDED BASE	75342	--	A special longer 8" diameter dome port designed for extremely large lenses like the Canon EF 11-24mm. See port charts for compatibility. Not compatible with external filters. May be attached directly to the DL port base or combined with extension(s).
COMPACT 8" DOME PORT	75344	230g	A low volume dome which provides similar image quality to our standard 8" dome port in with a reduced size ideal for close focus wide angle and great for travel.
ZOOM GEAR RETAINER	75900	--	Required when using a zoom or focus gear. Included with DL housings.
O-RING FOR DL SERIES PORTS	0139.41	5g	Gray o-ring for DL port base and extensions.
SILICONE LUBRICANT (2CC)	0184.2	6g	Liquid silicone lubricant in a re-sealable tube.
THUMB SCREWS (SET OF 3)	9249.7	--	Spare thumb screws to attach any DL extension or port.

Canon Lens Port Chart

	Port Recommendation	Zoom or Focus	Alternative Option
Canon 8-15 mm f/4L EF USM Fisheye	75340 DOME	5509.28 GEAR	-
Canon 10-18 mm f/4.5-5.6 EF-S IS STM	75344 DOME + 75028 EXTENSION	5509.27 GEAR	75340 DOME + 75028 EXTENSION
Canon 10-22 mm f/3.5-4.5 EF-S USM	75340 DOME + 75028 EXTENSION	5509.28 GEAR	--
Canon 11-24 mm f/4L EF USM	TO BE DETERMINED		
Canon 14 mm EF 1:2.8 Canon 14 mm EF f/2.8L II USM	75340 DOME	--	--
Canon 15 mm EF f/2.8 Fisheye	75340 DOME	--	--
Canon 16-35 mm f/2.8L II USM Canon 16-35 mm f/2.8L III USM	75340 DOME + 75020 EXTENSION + 75042 EXTENSION	5509.28 GEAR	75340 DOME + 75042 EXTENSION
Canon 16-35 mm f/4L EF IS USM	TO BE DETERMINED		
Canon 17-40 mm f/4L EF USM	75340 DOME + 75050 EXTENSION	5509.28 GEAR	75344 DOME + 75050 EXTENSION
Canon 17-85 mm f4-5.6 EF-S IS USM	75340 DOME + 75042 EXTENSION	5509.28 GEAR	75344 DOME + 75020 EXTENSION + 75042 EXTENSION
Canon 18-55 mm f/3.5-5.6 EF-S II Canon 18-55 mm f/3.5-5.6 EF-S IS II Canon 18-55 mm f/3.5-5.6 EF-S IS STM	75340 DOME + 75028 EXTENSION	5509.27 GEAR	75344 DOME + 75042 EXTENSION
Canon 18-135 mm f/3.5-5.6 IS	TO BE DETERMINED		
Canon 20 mm f/2.8 USM	75340 DOME	--	--

	Port Recommendation	Zoom or Focus	Alternative Option
Canon 24 mm f/1.4L EF USM Canon 24 mm f/1.4L II EF USM Canon 24 mm f/2.8 EF IS USM	75340 DOME	--	--
Canon 24-70 mm f/2.8L II EF USM	TO BE DETERMINED		
Canon 24-70 mm f/4L IS USM	75340 DOME + 75042 EXTENSION	5509.21 GEAR	75344 DOME + 75020 EXTENSION + 75042 EXTENSION
Canon 24-105 mm f/4L IS II EF USM	TO BE DETERMINED		
Canon 28 mm f/1.8 USM	75340 DOME	--	--
Canon 35 mm f/1.4L USM	75340 DOME	--	
Canon 35 mm f/1.4L II USM	75340 DOME + 75020 EXTENSION	--	
Canon 35 mm f/2 IS USM	75340 DOME	--	
Canon 60 mm f/2.8 EF-S Macro	75301 PORT	5509.28 GEAR AF/MF switch not accessible	--
Canon 100 mm f/2.8 EF Macro Canon 100 mm f/2.8L EF IS USM Macro	75301 PORT + 75020 EXTENSION + 75050 EXTENSION	TO BE DETERMINED	--

Nikon Lens Port Chart

	Port Recommendation	Zoom or Focus	Alternative Option
Nikon 10-24 mm f/3.5-4.5G ED AF-S DX	TO BE DETERMINED		
Nikon 10.5 mm f/2.8G ED AF DX Fisheye	75340 DOME Slight vignetting will be present; Remove dome shade to reduce vignetting	--	--
Nikon 12-24 mm f/4 IF-ED AF-S DX	75340 DOME	5509.27 GEAR	
Nikon 14 mm f/2.8D ED	75340 DOME	--	--
Nikon 14-24 mm f/2.8G ED AF-S	TO BE DETERMINED		
Nikon 16 mm f/2.8D AF Fisheye	75340 DOME Some vignetting may be present; remove dome shade to reduce or eliminate vignetting	--	--
Nikon 16-35 mm f/4G ED VR AF-S	75340 DOME + 75042 EXTENSION	5509.27 GEAR	--
Nikon 17-35 mm f/2.8D IF-ED AF-S	75340 DOME	5509.17 GEAR	--
Nikon 17-55 mm f/2.8D IF-ED AF-S DX	75340 DOME + 75020 EXTENSION	May operate with 5509.28 gear (unconfirmed)	--
Nikon 18-35 mm f/3.5-4.5G ED	75340 DOME	5509.28 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 Nikon 18-55mm f/3.5-5.6 VR II AF-S DX	75340 DOME + 75042 EXTENSION	5509.28 GEAR	Use of extension recommended for best image sharpness. Dome may be used without extension.
Nikon 18-70 mm f/3.5-4.5G IF-ED AF-S DX	+4 CLOSE-UP LENS REQUIRED 75340 DOME + 75020 EXTENSION	5509.28 GEAR	Use of extension recommended for best image sharpness. Dome may be used without extension.

	Port Recommendation	Zoom or Focus	Alternative Option
Nikon 18-105 mm f/3.5-5.6G ED VR AF-S DX	+4 CLOSE-UP LENS REQUIRED 75340 DOME + 75042 EXTENSION	5509.28 GEAR	--
Nikon 20 mm f/1.8G ED AF-S	75340 DOME	--	--
Nikon 24 mm f/1.4G ED AF-S Nikon 24 mm f/1.8G ED AF-S	75340 DOME	--	--
Nikon 24-70 mm f/2.8G ED AF-S	TO BE DETERMINED		
Nikon 24-85 mm f/3.5-4.5G ED VR	TO BE DETERMINED		
Nikon 28 mm f/1.8G	75340 DOME	--	--
Nikon 35 mm f/1.4G AF-S	TO BE DETERMINED		
Nikon 35 mm f/1.8G Nikon 35 mm f/1.8G AF-S DX	75301 PORT	--	75340 DOME
Nikon 40 mm f/2.8G	+4 CLOSE-UP LENS REQUIRED 75301 PORT	--	75340 DOME
Nikon 50 mm f/1.4D AF Nikon 50 mm f/1.4G AF-S Nikon 50 mm f/1.8D AF	+4 CLOSE-UP LENS REQUIRED 75301 PORT	--	75340 DOME
Nikon 85 mm f/1.4G AF-S	TO BE DETERMINED		
Nikon 85 mm f/1.8G AF-S	75301 PORT	--	--
Nikon 85 mm f/3.5G ED VR AF-S Macro	75301 PORT + 75028 EXTENSION	--	--
Nikon 105 mm Macro D	TO BE DETERMINED		

	Port Recommendation	Zoom or Focus	Alternative Option
Nikon 105 mm Macro f/2.8G ED-IF AF-S VR	75301 PORT + 75020 EXTENSION + 75050 EXTENSION	TO BE DETERMINED	

Sigma Lens Port Chart

	Port Recommendation	Zoom or Focus	Alternative Option
Sigma 8 mm f/3.5 EX DG Circular Fisheye	75340 DOME	--	--
Sigma 8-16 mm F4.5-5.6 DC HSM	75340 DOME + 75042 EXTENSION	5509.68 GEAR	42mm extension recommended for best image sharpness. Dome port may be used without extension.
Sigma 10 mm F2.8 EX DC Fisheye HSM	75340 DOME Some vignetting may be present with full frame cameras	--	--
Sigma 10-20 mm f/4.0-5.6 EX DC HSM	TO BE DETERMINED		
Sigma 12-24 mm f/4 DG HSM A Sigma 12-24 mm f/4.5-5.6 DG HSM	TO BE DETERMINED		
Sigma 15 mm F2.8 EX DG Diagonal Fisheye	75340 DOME Slight vignetting will be present with full frame cameras	--	--
Sigma 17-70 mm f/2.8-4.5 DC Macro Sigma 17-70 mm f/2.8-4.5 DC Macro HSM Sigma 17-70 mm f/2.8-4 DC Macro OS HSM	TO BE DETERMINED		
Sigma 24 mm f/1.4 DG HSM A Sigma 24 mm f/1.8 EX DG Aspherical Macro	75340 DOME	--	--

	Port Recommendation	Zoom or Focus	Alternative Option
Sigma 24-35 mm f/2 DG HSM A	75340 DOME + 75042 EXTENSION	NOT AVAILABLE Must be used at a fixed focal length	--
Sigma 35 mm f/1.4 DG HSM A	75340 DOME + 75028 EXTENSION	--	--
Sigma 50 mm f/1.4 DG HSM A	TO BE DETERMINED		
Sigma 50 mm f/1.4 EX DG HSM	75301 PORT	--	+ 4 CLOSE-UP LENS REQUIRED 75340 DOME
Sigma 50 mm f/2.8 EX DG Macro	75301 PORT	5509.28 GEAR	75340 DOME
Sigma 70 mm f/2.8 EX DG Macro	75301 PORT + 75020 EXTENSION + 75050 EXTENSION	AF ONLY	--
Sigma 105 mm f/2.8 EX DG Macro Sigma 105 mm f/2.8 EX DG OS HSM Macro	TO BE DETERMINED		

Tokina Lens Port Chart

	Port Recommendation	Zoom or Focus	Alternative Option
Tokina 10-17 mm AT-X 107 AF DX	75340 DOME	5509.28 GEAR	75344 DOME + 75020 EXTENSION
Tokina 11-16 mm f/2.8 AT-X Pro DX	TO BE DETERMINED		