

Recommended lenses for use with Gates FP Flat Port / SP Dome Port System

The following list of lenses are compatible with, and recommended for use with Gates FP Flat Ports and SP Dome Ports. It is based on tests performed at Gates, and field reports from customers. This is a guide only, and does not guarantee image quality or specific results. Actual lens testing is highly recommended to ensure acceptable image quality.

✓ Recommended

✗ Not Compatible (optically or physically)

DSLR Wide Angle Fisheye	Flat Port	SP60 6" Dome	SP80 8" Dome	SP80-10 10" Dome
Canon 8-15. Best resolution Gates has tested in a fisheye. The image is broader across the center, mitigating the fisheye effect.	✗	✓	✓	✓
Sigma 15. Reported by customers has having good sharpness. Available in Nikon and Canon mounts.	✗	✓	✓	✓
Tokina 10-17. Budget option. Available in both Nikon & Canon mounts.	✗	✓	✓	✓

DSLR / Mirrorless Wide Angle Rectilinear	Flat Port	SP60 6" Dome	SP80 8" Dome	SP80-10 10" Dome
Canon 16-35 f2.8L USM III. A workhorse wide angle zoom 'go to' lens for many underwater professionals. Both flat and dome ports compatible for different shooting conditions.	✓	✓	✓	✓
Canon 15-35 f2.8 L IS USM RF. Similar performance to the EF 16-35 in RF mount. Wide angle zoom compatible with both flat and dome ports for a variety of shooting options.	✓	✓	✓	✓
Laowa 9mm T2.9 Zero-D Cine. Superb performance in a tiny size. Surprisingly good corner sharpness, even with 6" dome port. Available in RF mount, compatible with DEEP KOMODO.	✗	✓	✓	✓
Canon 11-24 f4L USM. Sharp through entire zoom range. Classic soft corners but less than usually found on rectilinear lenses.	✗	✓	✓	✓
Zeiss 15mm T* Distagon. One of the best, sharpest lenses for underwater imaging. Very little corner softness compared to other lenses.	✗	✓	✓	✓

<p>Tokina 11-16 (Same as <i>Duclos 11-16 PL Conversion</i>). Nikon and Canon mounts. A budget wide angle rectilinear lens and widely availed by underwater professionals.</p>	✘	✔	✔	✔
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	Flat Port	SP60 6" Dome	SP80 8" Dome	SP80-10 10" Dome
DSLR Macro				
<p>Nikon 70-180 Macro zoom. Great film-era macro zoom. Excellent range. Lens extends with zoom.</p>	✔	✘	✘	✘
<p>Any Nikon or Canon macro lens. 50 / 100 / 105mm.</p>	✔	✘	✘	✘

	Flat Port	SP60 6" Dome	SP80 8" Dome	SP80-10 10" Dome
PL Mount Cinema Wide Angle and LF compatible				
<p>Zeiss CP.3 15mm. Very compact PL primes. Excellent cinema lens choice for small system like Pro Explore and Pro Action. LF Compatible.</p>	✘	✔	✔	✔
<p>Canon CN-E and Sumire 14mm LF. Excellent rectilinear performance with dome ports. LF compatible</p>	✘	✘	✔	✔
<p>Sigma Cine Primes 14/20/24. Field reports are these primes are lightweight, compact and sharp. Compatible with Pro Action and Pro Explore housings. LF Compatible.</p>	✘	✔	✔	✔
<p>Arri MP or UP 12 or 14mm. Use T2.9 or higher. Lower T-stop yields very soft corners.</p>	✘	✘	✔	✔
<p>Leica Summicron Primes 15/18/21/25/29. Compact Leica, compatible with Pro Action and Pro Explore housings.</p>	✘	✘	✔	✔
<p>Leica Summilux-C Primes 16/18/29/35/40. Fast and compact Leica glass. Compatible with Pro Action and Pro Explore housings.</p>	✘	✘	✔	✔

PL Mount Cinema Zoom

Canon CN-E 15.5-47 T2.8 Cine Zoom. Full zoom range available with SP80 and SP110 Dome Ports. MOD is 18 in / 45cm from dome. Sharp lens, a great cinema zoom choice.

Zeiss CZ.2 15-30 Cine Zoom. Very sharp lens, especially with SP110 10" dome port. This is a standout. Full zoom range available with SP80 or SP110 dome ports.

ARRI 9.5-18 Ultra Wide Zoom. Superb ultra wide angle cine zoom cine lens. SP80-10 highly recommended for best image quality

Tokina Cinema 16-28 T2.8. A sharp lens through the entire zoom range.

Sigma Cine Series 24-35FF / 18-35 High Speed Zooms. Compact value cinema zooms.

Flat Port	SP60 6" Dome	SP80 8" Dome	SP80-10 10" Dome
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X	X	✓	✓
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X	X	✓	✓
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X	X	✓	✓
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X	X	✓	✓
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X	X	✓	✓
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