

## 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)

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

<b>DSLR Wide Angle Rectilinear</b>	Flat Port	SP60 6" Dome	SP80 8" Dome	SP80-10 10" Dome
<b>Canon 11-24 f4L USM.</b> Sharp through entire zoom range. Classic soft corners but less than usually found on rectilinear lenses.	✗	✓	✓	✓
<b>Canon 16-35 f2.8L USM III.</b> A workhorse wide angle zoom 'go to' lens for many underwater professionals. Both flat and dome ports compatible for different shooting conditions.	✓	✓	✓	✓
<b>Zeiss 15mm T* Distagon.</b> One of the best, sharpest lenses for underwater imaging. Very little corner softness compared to other lenses.	✗	✓	✓	✓
<b>Tokina 11-16 (Same as Duclos 11-16 PL Conversion).</b> Nikon and Canon mounts. A budget wide angle rectilinear lens and widely availed by underwater professionals.	✗	✓	✓	✓
<b>Canon 14 f/2.8 II USM.</b> Very good results across the image.	✗	✓	✓	✓

DSLR Macro	Flat Port	SP60 6" Dome	SP80 8" Dome	SP80-10 10" Dome
<b>Nikon 70-180 Macro zoom.</b> Great film-era macro zoom. Excellent range. Lens extends with zoom.	✓	✗	✗	✗
<b>Any Nikon or Canon macro lens.</b> 50 / 100 / 105mm.	✓	✗	✗	✗

PL Mount Cinema Wide Angle	Flat Port	SP60 6" Dome	SP80 8" Dome	SP80-10 10" Dome
<b>Zeiss CP.3 15mm.</b> Very compact PL primes. Good cinema glass choice for small system like Pro Explore and Pro Action.	✗	✓	✓	✓
<b>Canon CN-E 14mm T3.1 LF (EF Mount).</b> Excellent rectilinear performance with dome ports.	✗	✗	✓	✓
<b>Arri MP or UP 12 or 14mm.</b> Use T2.9 or higher. Lower T-stop yields very soft corners.	✗	✗	✓	✓
<b>Zeiss CP.2 15mm.</b> Reported very sharp by customers. The Distagon 15mm DSLR lens noted above is the same glass.	✗	✗	✓	✓

PL Mount Cinema Zoom	Flat Port	SP60 6" Dome	SP80 8" Dome	SP80-10 10" Dome
<b>Canon CN-E 15.5-47 T2.8 Cine Zoom.</b> Full zoom range available with SP80 and SP110 Dome Ports. MOD is 18 in / 45cm from dome. Sharp lens, a great cinema zoom choice.	✗	✗	✓	✓
<b>Zeiss CZ.2 15-30 Cine Zoom.</b> Very sharp lens, especially with SP110 10" dome port. This is a standout. Full zoom range available with SP80 or SP110 dome ports.	✗	✗	✓	✓
<b>ARRI 9.5-18 Ultra Wide Zoom.</b> Superb ultra wide angle cine zoom cine lens. SP80-10 highly recommended for best image quality	✗	✗	✓	✓
<b>Tokina Cinema 16-28 T2.8.</b> A sharp lens through the entire zoom range.	✗	✗	✓	✓