

SWP25 Super Wide Angle Port

Fathom Imaging 'Signature' High Performance 110° FOV Port



The SWP25 is one of world's finest underwater optics, and only available only from Gates. It is the result of a partnership with Fathom Imaging to bring distortion-free, high resolution and high performance imaging to Gates PC/MC and TRV series housings. This port is backward compatible with many out-of-production Gates housings so current users can upgrade to the SWP25, an underwater optic *par excellence*.

High Performance – means the SWP25 grants both 110° wide angle and full zoom-through capability. Never before could big creatures be captured at 110° field of view, then zoom to maximum telephoto and fill the frame with a mere 1.5 inch subject – *and everything in between*. Further, the SWP25 can be used in both air and water, as well as “split” air/water images.

High Resolution Images – that are sharp and clear from edge to edge can only be achieved with a Fathom port and Gates housing. *The best camera in the world can't compensate for poor optics*, so get the maximum resolution underwater with the WP25.

Fathom Imaging “Signature” – The Super Wide Angle Port is the result of Fathom Imaging expertise, designers of high accuracy optics for applications including precision laser, super high resolution digital imaging, and HDTV underwater video. The Fathom Signature guarantees *high resolution optics free of distortion, flare, vignetting and black spot reflections*. Fathom ports are constructed entirely of *BK-7 optical glass* elements and coated with a proprietary *High Efficiency Broad Band Anti-Reflective (HEBBAR) coating* for maximum light transmission. All Fathom ports are then *nitrogen purged/vacuum sealed* in a dust-free environment, ensuring no foreign matter or condensation to spoil your image.

Gates Reliability – As always, Gates reliability and “bulletproof” durability is built into the Super Wide Angle Port. Gates products perform 24 hours a day, 365 days a year, and are backed by a 2 year warranty.

Don't Take a Chance....Take a Gates!

Gates Underwater Products, Inc

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Key Features

- **Hi Performance** – full zoom through capability from 100° FOV to 1.5 in macro subjects.
- **Distortion-free** – no image-destroying flare or reflections.
- **Vignette-free** – means no cutoff dark corners to ruin an image.
- **Use in Air and Water** – and for air/water split shots (when compatible).
- **High grade optical glass elements** – for sharp, crystal clear high resolution images.
- **Proprietary HEBBAR** – anti-reflective coating for max light transmission.
- **Nitrogen purged/vacuum sealed optics** – means no dust or condensation inside.
- **2-year warranty** – consistent with all Gates products.

Compatibility

The SWP25 is compatible with the following Gates housings:

- TRV950 / TRV900
- PDX10 / PD100
- All PC series*
- All MC series*

* Compatibility restricted to in-water imaging. Not recommended for use in air.

Specifications

Typical specifications for Gates 2.5 in / 63.5 mm port opening housing

*** Angular Field Of View (FOV)**

- * 110° in air
- * 90° in water

*** Minimum Object Distance (MOD)**

- * @ *Wide Angle*
 - * 0 mm / 0 in from lens vertex in air and water
- * @ *Full Optical Zoom*
 - * 141mm / 5.5in from lens vertex in air
 - * 214mm / 8.4in from lens vertex in water

*** Image Size**

- * 40mm / 1.6in corner to corner at full optical zoom and MOD

*** Distortion at Corners**

- * Less than 9.3% in air
- * Less than 3.4% in water

*** Weight**

- * Dry: 4.1 lbs / 1.86 kg
- * In Water: ~ -1.0 lbs / -.45 kg

*** Construction**

- * Shell: 6061-T6 Aluminum, Type III Anodize
- * Elements: Optical Grade Coated Glass

*** Depth Rating**

- * 450 feet / 137 meters

*** Warranty**

- * 2 Years

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