

SWP44B Super Wide Angle Port

Fathom 'Signature' 120° FOV with Full Zoom Capability

"HD brings into sharp relief the need for precision optics. Anything less is a useless endeavor." – Howard Hall

The SWP44B Super Wide Port is the a distinguished member of the Gates line of premium underwater optics. Another 'no compromises' lens, it enables the clearest, sharpest, distortion-free underwater imaging possible – a necessary requisite for any High Definition venture.

Performance – with an astounding 120° maximum angular field of view this port will provide complete scrutiny of a Humpback from mere feet away. Yet the SWP44 includes *full zoom through capability* for crystal clear tight shots as well as macro of 4.5" / 115mm critters -- and everything in between. Unlike other optics that require diopters, or work only at zoom extremes, the SWP44 is designed for distortion free images throughout the entire zoom range.

Fathom 'Signature' – is a mark of excellence and signifies precision optical design and construction expertise. It guarantees high resolution optics free of distortions, reflections, vignetting or other image destroyers.

HD Essential – High Definition images that are sharp and clear from edge to edge can only be achieved with a Fathom port and Gates housing. Close collaboration is essential to achieve an underwater system that delivers maximum resolution HD images.

No Compromises – It's true: *The best camera in the world cannot compensate for poor optics.* That's why the SWP44 means no compromises to image quality.



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

Gates Underwater Products, Inc

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www.GatesHousings.com • Reliable@GatesHousings.com



Home of the Worlds Most Reliable Underwater Housings

Key Features

- **Performance** – Up to 120° wide FOV with full zoom through capability for macro subjects.
- **HD tested and qualified** – for the finest HD images possible.
- **Distortion-free** – for clear, sharp images from corner to corner.
- **Reflection-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.
- **High grade optical glass elements** – for sharp, crystal clear high resolution images.
- **SiO2 AR Coating**– is durable and efficient for max light transmission.
- **Nitrogen purged/vacuum sealed optics** – means no dust or condensation inside.

Compatibility

The SWP44B is compatible with the following Gates housings:

- FX7/V1

Specifications

Specifications for Sony HDR-FX1 and HVR-V1U Cameras

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

- * 120° in air
- * 120° in water

*** Minimum Object Distance (MOD)**

- * @ *Wide Angle*
 - * 0 mm / 0 in from lens vertex in air and water
- * @ *Full Optical Zoom*
 - * Final production figures TBD

*** Image Size**

- * Final production figures TBD

*** Distortion at Corners (full wide)**

- * Final production figures TBD

*** Weight**

- * Dry: 5.6 lbs / 2.5 kg
- * In Water: -0.8 lbs / -0.4 kg

*** Construction**

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

*** Depth Rating**

- * 450 feet / 137 meters 8

*** Warranty**

- * 1 year material and workmanship

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