



The Mangrove WP-100 is a high resolution underwater super wide angle port for capturing dynamic wide angle images; it has been designed by Fathom Imaging to bring distortion-free imaging to Mangrove MVD housings. The WP-100 covers a range of up to 108° underwater as well as on land, it enables extreme close focusing and assures brilliant colour rendition, producing high definition wide angle and macro images that are sharp and clear from edge to edge. It can be used on land as well as underwater. The WP-100 is nitrogen purged/vacuum sealed in a dust-free environment, ensuring no foreign matter or condensation to spoil your image, it is constructed entirely of corrosion-resistant aluminium alloy and high grade optical glass elements which are coated with a proprietary High Efficiency Broad Band Anti-Reflective coating for maximum light transmission. The WP-100 is a professional lens with 7 optical elements in 6 groups, it is constructed of an aluminium shell and coated BK-7 glass elements to provide the sharpest and clearest images possible. This port is backward compatible with many out-of production Mangrove housings so current users can upgrade to one of the finest ports available for underwater imaging, in order to do that the original 67mm port should be replaced at our factory by the new port ring with bayonet mount.

You can have the best housing and camera on the market, but your images will only be as good as the optics installed on your housing, any U/W lens designed by Fathom guarantees high resolution optics free of distortion, flare, vignetting and black spot reflections.

## KEY FEATURES

- High Performance** – Up to 108° field of view with full zoom capability for macro subjects
- High grade optical glass elements** - for sharp, crystal clear hi resolution images.
- Distortion-free** - no imaging-destroying flare or reflections, either
- Vignette-free** - means no cut-off dark corners to ruin an image
- Anti-reflective** - coating for maximum light transmission
- Allows use in Air and in Water** - and for air/water splits shots
- Nitrogen purged/vacuum sealed optics** – means no dust or condensation inside-
- 2-year warranty** – consistent with all Mangrove products

## SPECIFICATIONS

### WP-100 Wide Angle Port (SWP25B)

<b>Typical Angular Field of View (FOV)</b>	100° in air / 100° in water
<b>Minimum Focus Distance (MOD)</b>	@ Wide Angle 0 mm / 0 inches from lens vertex in air and in water
<b>Maximum Distortion in Seawater</b>	less than 2.7% @ 2000 mm object distance (full wide)
<b>Diameter Port Opening</b>	66 mm / 2.6 inches
<b>Weight in air</b>	1.66 Kg
<b>Weight in water</b>	0.66 Kg
<b>Construction Shell</b>	6061-T6 Marine grade aluminium, Type III anodizedE
<b>Construction Lenses</b>	BK-7 Tempered Optical Grade Coated Glass
<b>Dimensions</b>	Diameter 147 mm / 5.7 inches – Length 150 mm / 5.9 inches
<b>Depth Rating</b>	200 meters / 660 feet