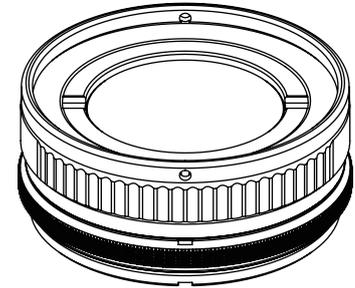


**Underwater Achromatic Close-up Lens**

<b>Lens Construction</b>	<b>3 elements; 3 groups</b>
<b>Compatible Camera (Up to)</b>	<b>Sensor Size: 18mm X 13.5mm</b>
<b>Diopter (Underwater Focal length)</b>	<b>+18 (55.2mm)</b>
<b>Focusing Range</b>	<b>30mm - 53mm</b>
<b>Max. Magnification</b>	<b>3x</b>
<b>Glass / Coating</b>	<b>Optical Glass / Multi-Layer BBAR Coating</b>
<b>Lens Barrel</b>	<b>Aluminum with Type II Anodizing</b>
<b>Mounting</b>	<b>M67 X P0.75</b>
<b>Dimension</b>	<b>Ø 72 X 32mm</b>
<b>Weight</b>	<b>300g(Air) 125g(Underwater)</b>
<b>Depth Rate</b>	<b>60m (197ft)</b>



- ◆ WEEFINE WFL13 is a premium underwater close-up lens. It comes with a +18 diopter (Air and Underwater) in optical power and allow the close-up shooting in a very short object distance (30mm – 53mm).
- ◆ WFL13 is designed by 3 high quality optical glasses with an achromatic doublet. This achromatic combination helps to reduce the axle chromatic aberration.
- ◆ All glass lenses have been coated with Broadband Anti-Reflection (BBAR) Coating. Each lens surface is guaranteed to provide less than 0.5% reflectivity over the visible spectrum (420nm – 680nm).
- ◆ All lens edges and spacer of WFL13 had been treated by matte finish. To avoid internal reflection and ghost image.
- ◆ The M67 X P0.75 thread mount allows the lens mounting directly on the camera waterproof housing with the same female thread mount. User can also attach the lens with suitable step-up or step-down ring.
- ◆ It is recommended to use natural light, external strobe or video light with the WFL13. The camera built-in flash may be blocked by the lens and causes partial underexposed image.

**Install the WFL13 as following steps:**

1. *Align the lens with the 67mm lens ring on the waterproof housing.*
2. *Turn the lens in clockwise direction until you feel it is tightened on the housing.*

- ◆ When using an external strobe, avoid the flash beam pointing directly to the lens. It helps to prevent the unwanted ghost image.
- ◆ Do not impact the lens with large shock and vibrations or try to disassemble it, these will lead to damage or even flood the lens.
- ◆ Do not place the lens inside an extreme environment for example inside a high temperature car compartment, boiling water or under direct sunlight. It may damage the sealing parts and eventually flooding.
- ◆ Do not clean the lens with organic solvent or other chemicals. It may damage and degrade the coating on the lens.
- ◆ Never look at the sun through the lens.
- ◆ Attach the lens with appropriate force, improper installation may damage the thread on both the lens and the waterproof housing. To prevent corrosion, it is recommended to apply small amount silicone grease on the thread area.
- ◆ Be careful while attaching the lens to the housing. Dust, dirt or any other particles caught inside the lens may lead to its damage.

**NOTES:**

- ◆ WFL13 is an underwater close-up lens for high power macro shooting. To get the maximum magnification, it is recommended to set the camera lens to the telephoto end or choose a long focal length camera lens.
- ◆ Vignetting would occur at wide end setting. Use the zoom function on the camera and zoom in until the dark corner disappear.
- ◆ The thread mount on the lens is possible to remove and would not cause any damage to the lens. But only replace the thread mount when the thread is worn or bruised.