### HF12.5SA-1

**High-resolution design, providing support for up to 5 megapixel camera resolution.**  
**Rear focusing system provides improved performance in macro photography.**  
**Wide-aperture (F1.4) design achieves clear images under low light intensity.**  
**Enhanced image recognition accuracy achieved by reduction of distortion and improvement of illumination uniformity.**  
**Robust enclosure resistant to vibrations and shocks. Equipped with locking knobs for the iris and focus.**

<table>
<thead>
<tr>
<th>Focal Length (mm)</th>
<th>12.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iris Range</td>
<td>F1.4 ~ F22</td>
</tr>
<tr>
<td>Operation</td>
<td>Focus</td>
</tr>
<tr>
<td>Iris</td>
<td>Manual</td>
</tr>
<tr>
<td>Angle Of View (H×V)</td>
<td>2/3&quot;</td>
</tr>
<tr>
<td></td>
<td>1/2&quot;</td>
</tr>
<tr>
<td></td>
<td>1/3&quot;</td>
</tr>
<tr>
<td>Focusing Range (From Front Of The Lens) (m)</td>
<td>∞ ~ 0.1</td>
</tr>
<tr>
<td>Object Dimensions at M.O.D. (H×V) (mm)</td>
<td>2/3&quot;</td>
</tr>
<tr>
<td></td>
<td>1/2&quot;</td>
</tr>
<tr>
<td></td>
<td>1/3&quot;</td>
</tr>
<tr>
<td>Back Focal Distance (in air) (mm)</td>
<td>16.07</td>
</tr>
<tr>
<td>Exit Pupil Position (From Image Plane) (mm)</td>
<td>−101</td>
</tr>
<tr>
<td>Filter Thread (mm)</td>
<td>M49 × 0.75</td>
</tr>
<tr>
<td>Mount</td>
<td>C</td>
</tr>
<tr>
<td>Mass (g)</td>
<td>295</td>
</tr>
</tbody>
</table>

### Remarks
- With Metal Mount  
- With Locking Knob for Iris and Focus

### HF16SA-1

**High-resolution design, providing support for up to 5 megapixel camera resolution.**  
**Rear focusing system provides improved performance in macro photography.**  
**Wide-aperture (F1.4) design achieves clear images under low light intensity.**  
**Enhanced image recognition accuracy achieved by reduction of distortion and improvement of illumination uniformity.**  
**Robust enclosure resistant to vibrations and shocks. Equipped with locking knobs for the iris and focus.**

<table>
<thead>
<tr>
<th>Focal Length (mm)</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iris Range</td>
<td>F1.4 ~ F22</td>
</tr>
<tr>
<td>Operation</td>
<td>Focus</td>
</tr>
<tr>
<td>Iris</td>
<td>Manual</td>
</tr>
<tr>
<td>Angle Of View (H×V)</td>
<td>2/3&quot;</td>
</tr>
<tr>
<td></td>
<td>1/2&quot;</td>
</tr>
<tr>
<td></td>
<td>1/3&quot;</td>
</tr>
<tr>
<td>Focusing Range (From Front Of The Lens) (m)</td>
<td>∞ ~ 0.1</td>
</tr>
<tr>
<td>Object Dimensions at M.O.D. (H×V) (mm)</td>
<td>2/3&quot;</td>
</tr>
<tr>
<td></td>
<td>1/2&quot;</td>
</tr>
<tr>
<td></td>
<td>1/3&quot;</td>
</tr>
<tr>
<td>Back Focal Distance (in air) (mm)</td>
<td>17.09</td>
</tr>
<tr>
<td>Exit Pupil Position (From Image Plane) (mm)</td>
<td>−172</td>
</tr>
<tr>
<td>Filter Thread (mm)</td>
<td>M49 × 0.75</td>
</tr>
<tr>
<td>Mount</td>
<td>C</td>
</tr>
<tr>
<td>Mass (g)</td>
<td>285</td>
</tr>
</tbody>
</table>

### Remarks
- With Metal Mount  
- With Locking Knob for Iris and Focus