

TECHSPEC<sup>®</sup> 4.5mm C VIS-NIR Series Fixed Focal Length Lens



4.5mm C Series VIS-NIR Fixed Focal Length Lens, #39-938

Stock **#39-938** [CONTACT US](#)

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**Iris Option:**  
Variable

**Length (mm):**  
37.50

**Horizontal Field of View, 1/2" Sensor:**  
61.9mm - 76.7°

**Filter Thread:**  
M58 x0.75 with required adapter [#87-425](#)

**Maximum Diameter (mm):**  
40

|                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Outer Diameter (mm):</b><br>40.0                                                                                             |
| <b>Weight (g):</b><br>69                                                                                                        |
| <b>Horizontal Field of View, 1/3" Sensor:</b><br>44.0mm - 59.2°                                                                 |
| <b>Maximum Rear Protrusion (mm):</b><br>2.78                                                                                    |
| <b>Maximum Image Circle (mm):</b><br>9.00                                                                                       |
| <b>Numerical Aperture NA, Object Side:</b><br>0.0285                                                                            |
| <b>Horizontal Field of View @ Max Sensor Format:</b><br>71.9mm - 84.7°                                                          |
| <b>Number of Elements (Groups):</b><br>7 (6)                                                                                    |
| <b>Horizontal Field of View, 1/1.8" Sensor:</b><br>72.0mm - 84.7°                                                               |
| <b>Front Thread:</b><br>M40 x0.5 (Male)                                                                                         |
| <b>Horizontal Field of View, 1/2.5" Sensor:</b><br>53.9mm - 69.4°                                                               |
| <b>Type:</b><br>Fixed Focal Length Lens                                                                                         |
| <b>Focal Length FL (mm):</b><br>4.50                                                                                            |
| <b>Primary Magnification PMAG:</b><br>0.117                                                                                     |
| <b>Maximum Sensor Format:</b><br>1/1.8"                                                                                         |
| <b>Working Distance (mm):</b><br>25 - ∞                                                                                         |
| <b>Mount:</b><br>C-Mount                                                                                                        |
| <b>Aperture (f/#):</b><br>f/2 - f/11                                                                                            |
| <b>Coating:</b><br>425 - 1000nm BBAR                                                                                            |
| <b>Coating Specification:</b><br>425 - 1000nm BBAR                                                                              |
| <b>Entrance Pupil Position (mm):</b><br>14.4                                                                                    |
| <b>Horizontal Field of View, 1/4" Sensor:</b><br>32.0mm - 45.2°                                                                 |
| <b>Object Space Principal Plane (mm):</b><br>17.89                                                                              |
| <b>Image Space Principal Plane (mm):</b><br>6.51                                                                                |
| <b>Field of View at Max Sensor Format:</b><br>Horizontal: 72mm - 84.7°<br>Vertical: 50.5mm - 66.1°<br>Diagonal: 98.2mm - 100.1° |
| <b>Maximum Distortion (%):</b><br>-15.83                                                                                        |
| <b>Exit Pupil Position (mm):</b><br>-9                                                                                          |
| <b>Lens Wavelength Range:</b><br>VIS-NIR                                                                                        |
| <b>Imaging Lens Type:</b><br>Compact Lens Coated for Visible to Near Infared                                                    |
| <b>Storage Temperature (°C):</b><br>-20 to +60 For questions regarding operating temperature please contact our support team    |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS:</b><br><a href="#">Compliant</a>                  |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |