

**TECHSPEC® 50mm, f/16 Cr Series Fixed Focal Length Lens**



50mm Cr Series Fixed Focal Length Lens

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1  **C\$721.00**

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**Iris Option:**  
Fixed

**Length (mm):**  
48.42

**Horizontal Field of View, 1/2" Sensor:**  
31.1mm - 7.3°

**Horizontal Field of View, 2/3" Sensor:**  
42.8mm - 10.0°

**Filter Thread:**  
M30.5 x0.50 with required adapter [#89-932](#)

|                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Diameter (mm):</b><br>33.8                                                                                        |
| <b>Weight (g):</b><br>83                                                                                                     |
| <b>Horizontal Field of View, 1/3" Sensor:</b><br>23.3mm - 5.5°                                                               |
| <b>Maximum Rear Protrusion (mm):</b><br>2.06                                                                                 |
| <b>Maximum Image Circle (mm):</b><br>11.00                                                                                   |
| <b>Numerical Aperture NA, Object Side:</b><br>0.0054                                                                         |
| <b>Horizontal Field of View @ Max Sensor Format:</b><br>42.8mm - 10.0°                                                       |
| <b>Number of Elements (Groups):</b><br>6 (4)                                                                                 |
| <b>Horizontal Field of View, 1/1.8" Sensor:</b><br>35.0mm - 8.2°                                                             |
| <b>Front Thread:</b><br>M30.5 x0.5 (Male)                                                                                    |
| <b>Horizontal Field of View, 1/2.5" Sensor:</b><br>28.2mm - 6.6°                                                             |
| <b>Type:</b><br>Fixed Focal Length Lens                                                                                      |
| <b>Diameter (mm):</b><br>33.80                                                                                               |
| <b>Focal Length FL (mm):</b><br>50.00                                                                                        |
| <b>Primary Magnification PMAG:</b><br>0.207                                                                                  |
| <b>Maximum Sensor Format:</b><br>2/3"                                                                                        |
| <b>Working Distance (mm):</b><br>250 - ∞                                                                                     |
| <b>Mount:</b><br>C-Mount                                                                                                     |
| <b>Aperture (f/#):</b><br>f/16                                                                                               |
| <b>Coating:</b><br>425 - 675nm BBAR                                                                                          |
| <b>Coating Specification:</b><br>425 - 675nm BBAR                                                                            |
| <b>Entrance Pupil Position (mm):</b><br>35.62                                                                                |
| <b>Horizontal Field of View, 1/4" Sensor:</b><br>17.5mm - 4.1°                                                               |
| <b>Object Space Principal Plane (mm):</b><br>39.89                                                                           |
| <b>Image Space Principal Plane (mm):</b><br>-36.26                                                                           |
| <b>Field of View at Max Sensor Format:</b><br>Horizontal: 42.7mm - 10°<br>Vertical: 32mm - 7.5°<br>Diagonal: 53.5mm - 12.5°  |
| <b>Maximum Distortion (%):</b><br>0.26                                                                                       |
| <b>Exit Pupil Position (mm):</b><br>-40.93                                                                                   |
| <b>Lens Wavelength Range:</b><br>VIS                                                                                         |
| <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> |