

**TECHSPEC® 16mm f/8, HPi Series Fixed Focal Length Lens**



16mm HPi Series Fixed Focal Length Lens

Stock **#33-818** ☐ In Stock

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1

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**C\$994.00**

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**Iris Option:**  
Fixed

**Length (mm):**  
64.20

**Horizontal Field of View, 1/2" Sensor:**  
49.4mm - 22.1°

**Horizontal Field of View, 2/3" Sensor:**  
68.4mm - 30.1°

**Filter Thread:**  
M46.0 x0.75 (Female)

|                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Diameter (mm):</b><br>48                                                                                              |
| <b>Weight (g):</b><br>117                                                                                                        |
| <b>Horizontal Field of View, 1/3" Sensor:</b><br>36.9mm - 16.6°                                                                  |
| <b>Maximum Rear Protrusion (mm):</b><br>0                                                                                        |
| <b>Horizontal Field of View, 1" Sensor:</b><br>101.3mm - 43.2°                                                                   |
| <b>Maximum Image Circle (mm):</b><br>17.60                                                                                       |
| <b>Numerical Aperture NA, Object Side:</b><br>0.008                                                                              |
| <b>Horizontal Field of View @ Max Sensor Format:</b><br>127mm - 53°                                                              |
| <b>Horizontal Field of View, 1.1" Sensor:</b><br>113.4mm - 47.6°                                                                 |
| <b>Number of Elements (Groups):</b><br>9 (7)                                                                                     |
| <b>Horizontal Field of View, 1/1.8" Sensor:</b><br>55.7mm - 24.8°                                                                |
| <b>Horizontal Field of View, 1/2.5" Sensor:</b><br>44.7mm - 20.0°                                                                |
| <b>Optimized Sensor Format:</b><br>1"                                                                                            |
| <b>Type:</b><br>Fixed Focal Length Lens                                                                                          |
| <b>Focal Length FL (mm):</b><br>16.00                                                                                            |
| <b>Primary Magnification PMAG:</b><br>0.131                                                                                      |
| <b>Maximum Sensor Format:</b><br>1.1"                                                                                            |
| <b>Working Distance (mm):</b><br>100 - ∞                                                                                         |
| <b>Mount:</b><br>C-Mount                                                                                                         |
| <b>Aperture (f/#):</b><br>f/8                                                                                                    |
| <b>Coating:</b><br>λ/4 MgF <sub>2</sub>                                                                                          |
| <b>Coating Specification:</b><br>λ/4 MgF <sub>2</sub>                                                                            |
| <b>Entrance Pupil Position (mm):</b><br>27.28                                                                                    |
| <b>Horizontal Field of View, 1/4" Sensor:</b><br>27.6mm - 12.5°                                                                  |
| <b>Object Space Principal Plane (mm):</b><br>40.34                                                                               |
| <b>Image Space Principal Plane (mm):</b><br>4.08                                                                                 |
| <b>Field of View at Max Sensor Format:</b><br>Horizontal: 112.4mm - 47.2°<br>Vertical: 82.7mm - 35.9°<br>Diagonal: 144.7mm - 58° |
| <b>Maximum Distortion (%):</b><br>-3.76                                                                                          |
| <b>Exit Pupil Position (mm):</b><br>-58.81                                                                                       |
| <b>Optimized Working Distance (mm):</b><br>400 - 2000                                                                            |
| <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> |

