

## 50mm FL Ultra High Resolution Fixed Focal Length Lenses



#68-684



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### General

**Product Family:**  
Ultra High Resolution Fixed Focal Length Lenses

**Type:**  
Fixed Focal Length Lens

### Physical & Mechanical Properties

**Iris Option:**

Variable	
77.00	<b>Length (mm):</b>
38.0	<b>Maximum Diameter (mm):</b>
38	<b>Outer Diameter (mm):</b>
170.00	<b>Weight (g):</b>

## Optical Properties

13.9	<b>Field of View @ Min Working Distance (mm):</b>
13.9mm - 7.3°	<b>Horizontal Field of View, 1/2" Sensor:</b>
11.00	<b>Maximum Image Circle (mm):</b>
50.00	<b>Focal Length FL (mm):</b>
100 - ∞	<b>Working Distance (mm):</b>
f/2.8 - f/16	<b>Aperture (f/#):</b>
<-0.02%	<b>Maximum Distortion (%):</b>
VIS	<b>Lens Wavelength Range:</b>

## Sensor

2/3"	<b>Maximum Sensor Format:</b>
2.40	<b>Pixel Size (µm):</b>

## Threading & Mounting

M30.5 x 0.50	<b>Filter Thread:</b>
C-Mount	<b>Mount:</b>

## Regulatory Compliance

<a href="#">Exempt</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Contains SVHC(s)</a>	<b>REACH 241:</b>

## Product Details

- 2/3", C-Mount Lens
- Up to 10 MegaPixels, 2.4µm Pixel Size Sensors
- Spectral Range of 400 - 1000nm
- 5mm to 50mm Focal Lengths

Ultra High Resolution Fixed Focal Length Lenses are designed to provide 10 MegaPixel resolution on axis. These lenses have a spectral range of 400 to 1000nm. Through the use of a floating focus and aspheric lens elements, these high-resolution lenses are able to maintain excellent performance from 100mm to infinity. Ultra High Resolution Fixed Focal Length Lenses feature locking focus, iris rings, and a front filter thread to allow the use of standard optical filters for increased versatility. The lenses are available in 7 focal length options and feature very low distortion.