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## 2/3",8mm,F1.4,C-mount,ViSWIR Singleband



Computar ViSWIR Lite Lenses

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⊖ 1 ⊕ A\$1,318<sup>00</sup>

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### General

Computar ViSWIR Lite Lenses **Product Family:**

M0814-VSW **Model Number:**

Fixed Focal Length SWIR Lens **Imaging Lens Type:**

### Physical & Mechanical Properties

Variable **Iris Option:**

28.20	<b>Length (mm):</b>
44.5	<b>Maximum Diameter (mm):</b>
32.00	<b>Outer Diameter (mm):</b>
62.6	<b>Weight (g):</b>
4.06	<b>Maximum Rear Protrusion (mm):</b>
28.2	<b>Maximum Length (mm):</b>

## Optical Properties

56.3°	<b>Horizontal Field of View @ Max Sensor Format:</b>
42.5° (H6.4)	<b>Horizontal Field of View, 1/2" Sensor:</b>
21.9° (H3.2)	<b>Horizontal Field of View, 1/4" Sensor:</b>
11.00	<b>Maximum Image Circle (mm):</b>
400 - 1700	<b>Wavelength Range (nm):</b>
8.00	<b>Focal Length FL (mm):</b>
100 - ∞	<b>Working Distance (mm):</b>
Horizontal: 56.3° Vertical: 43.7° Diagonal: 67.1°	<b>FOV @ Max Sensor Format, H x V (mm):</b>
f/1.4	<b>Aperture (f/#):</b>
13.1	<b>Back Focal Length BFL (mm):</b>
15.36	<b>Entrance Pupil Position (mm):</b>
19.47	<b>Object Space Principal Plane (mm):</b>
8.31	<b>Image Space Principal Plane (mm):</b>
-0.10	<b>Maximum Distortion (%):</b>
-57.7836	<b>Exit Pupil Position (mm):</b>
VIS-SWIR	<b>Lens Wavelength Range:</b>
VIS, SWIR	<b>Wavelength:</b>

## Sensor

2/3"	<b>Optimized Sensor Format:</b>
2/3"	<b>Maximum Sensor Format:</b>
1.50	<b>Resolution (Megapixels):</b>

## Threading & Mounting

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

## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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## Product Details

- Outstanding Cost to Performance Ratio from the VIS to SWIR
- 1.5 MegaPixels, 1/2" or 2/3", C-Mount

- Focal Lengths Ranging from 5 - 50mm

Computar VISWR Lite Lenses are compact lenses that deliver outstanding cost-performance for single-wavelength lighting and narrow-band imaging. Utilizing a multilayer coating that absorbs specific wavelengths to minimize adverse lighting effects, these lenses ensure precise imaging is achieved. The broadband anti-reflection coating offers high and stable transmission across a wide wavelength range from 400nm to 1,700nm. Computar VISWR Lite Lenses are available in 1/2" and 2/3" sensor formats, an easily integratable C-mount design, and focal lengths that range from 5 to 50mm. These lenses are ideal for non-visible range imaging in applications across Agricultural, Medical, and Remote Sensing industries.

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