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2/3", 50mm, F1.8, C-mount, ViSWIR Singleband



Computar ViSWIR Lite Lenses

Stock #74-622 **NEW** [CONTACT US](#)

⊖ 1 ⊕ A\$1,318⁰⁰

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General

Computar ViSWIR Lite Lenses **Product Family:**

M5018-VSW **Model Number:**

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

Physical & Mechanical Properties

Variable **Iris Option:**

38.20	Length (mm):
33.5	Maximum Diameter (mm):
32.00	Outer Diameter (mm):
85.0	Weight (g):
4.09	Maximum Rear Protrusion (mm):
38.2	Maximum Length (mm):

Optical Properties

10.5°	Horizontal Field of View @ Max Sensor Format:
7.6° (H6.4)	Horizontal Field of View, 1/2" Sensor:
3.8° (H3.2)	Horizontal Field of View, 1/4" Sensor:
11.00	Maximum Image Circle (mm):
400 - 1700	Wavelength Range (nm):
50.00	Focal Length FL (mm):
500 - ∞	Working Distance (mm):
Horizontal: 10.5° Vertical: 7.9° Diagonal: 13.1°	FOV @ Max Sensor Format, H x V (mm):
f/1.8	Aperture (f/#):
13.1	Back Focal Length BFL (mm):
52.85	Entrance Pupil Position (mm):
22.14	Object Space Principal Plane (mm):
48.00	Image Space Principal Plane (mm):
-0.30	Maximum Distortion (%):
-29.273	Exit Pupil Position (mm):
VIS-SWIR	Lens Wavelength Range:
VIS, SWIR	Wavelength:

Sensor

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

Threading & Mounting

M30.5 x 0.50	Filter Thread:
C-Mount	Mount:

Regulatory Compliance

View	Certificate of Conformance:
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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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