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2/3",16mm,F1.4,C-mount,ViSWIR Singleband

Computar ViSWIR Lite Lenses

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General

Model Number:
M1614-VSW

Imaging Lens Type:
Fixed Focal Length SWIR Lens

Physical & Mechanical Properties

Iris Option:
Manual Iris

Length (mm):
28.20

Maximum Diameter (mm):
44.5

Outer Diameter (mm):
32.00

Weight (g):
60.0

Maximum Rear Protrusion (mm):
4.09

Maximum Length (mm):
28.2

Optical Properties

Horizontal Field of View @ Max Sensor Format:
30.8°

Horizontal Field of View, 1/2" Sensor:
22.7° (H6.4)

Horizontal Field of View, 1/4" Sensor:
11.4° (H3.2)

Maximum Image Circle (mm):
11.00

Wavelength Range (nm):
400 - 1700

Focal Length FL (mm):
16.00

Working Distance (mm):
300 - ∞

FOV @ Max Sensor Format, H x V (mm):
Horizontal: 30.8°
Vertical: 23.4°
Diagonal: 38.0°

Aperture (f/#):
f/1.4

Back Focal Length BFL (mm):
13.1

Entrance Pupil Position (mm):
17.31

Object Space Principal Plane (mm):
26.19

Image Space Principal Plane (mm):
16.00

Maximum Distortion (%):
-0.10

Exit Pupil Position (mm):
-62.149

Lens Wavelength Range:
VIS-SWIR

Wavelength:
VIS, SWIR

Sensor

Optimized Sensor Format:
2/3"

Maximum Sensor Format:
2/3"

Resolution (Megapixels):
1.50

Threading & Mounting

Filter Thread:
M30.5 x 0.50

Mount:
C-Mount

Regulatory Compliance

Certificate of Conformance:
View

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 ViSWIR 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 ViSWIR 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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