

12.5mm FL SWIR Series Fixed Focal Length Lens



Stock **#83-816** **9 In Stock**

⊖ 1 ⊕ **\$3,201⁰⁰**

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Volume Pricing

Qty 1+	\$3,201.00 each
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General

Product Family:
1" SWIR Series Fixed Focal Length Lenses

Type:
Fixed Focal Length Lens

Physical & Mechanical Properties

Iris Option:
Variable

Length (mm):
52.00

Maximum Diameter (mm):

42.0

Outer Diameter (mm):

42

Weight (g):

160

Optical Properties

Field of View @ Min Working Distance (mm):

300.00

Horizontal Field of View, 1" Sensor:

55.6°

Maximum Image Circle (mm):

16.00

Focal Length FL (mm):

12.50

Working Distance (mm):

300 - ∞

Aperture (f/#):

f/1.4 - f/16

Distortion (%):

<-2.0

Maximum Distortion (%):

-1.5

Lens Wavelength Range:

SWIR

Sensor

Maximum Sensor Format:

1"

Pixel Size (µm):

4.50

Threading & Mounting

Filter Thread:

M35.5 x 0.50

Mount:

C-Mount

Regulatory Compliance

RoHS 2015:

[Exempt](#)

Certificate of Conformance:

[View](#)

REACH 241:

[Contains SVHC\(s\)](#)

Product Details

- 1", C-Mount Lens
- Spectral Range of 800 - 2000nm for InGaAs SWIR Sensors
- 8mm to 50mm Focal Lengths

Short Wave Fixed Focal Length Lenses are the best choice for use with SWIR cameras. The SWIR spectrum is an ideal choice for a variety of applications, including solar cell inspection, security, and biomedical imaging. When utilized in conjunction with a SWIR camera, these lenses will permit imaging through silicon, imaging outdoors without additional illumination, detecting bruising on fruit, and a host of additional infrared applications.

Technical Information

SWIR Fixed Focal Length Lenses



