

## 12.5mm FL SWIR Series Fixed Focal Length Lens



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

⊖ 1 ⊕ £1,829<sup>00</sup>

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### Volume Pricing

Qty 1+	£1,829.00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### 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

42.0	Maximum Diameter (mm):
42	Outer Diameter (mm):
160	Weight (g):

### Optical Properties

300.00	Field of View @ Min Working Distance (mm):
55.6°	Horizontal Field of View, 1" Sensor:
16.00	Maximum Image Circle (mm):
12.50	Focal Length FL (mm):
300 - ∞	Working Distance (mm):
f/1.4 - f/16	Aperture (f/#):
<-2.0	Distortion (%):
-1.5	Maximum Distortion (%):
SWIR	Lens Wavelength Range:

### Sensor

1"	Maximum Sensor Format:
4.50	Pixel Size (µm):

### Threading & Mounting

M35.5 x 0.50	Filter Thread:
C-Mount	Mount:

### Regulatory Compliance

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

### 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



