

12.5mm FL SWIR Series Fixed Focal Length Lens



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

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1

+

€2.286^{.00}

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Volume Pricing	
Qty 1+	€2.286,00 each
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Product Downloads

General

Series:	
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 x0.50	Filter Thread:
C-Mount	Mount:

Regulatory Compliance

Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	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



