

## 35mm FL SWIR Series Fixed Focal Length Lens



Stock #68-689 [CONTACT US](#)

⊖ 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):**  
43.00

|      |                        |
|------|------------------------|
| 42.0 | Maximum Diameter (mm): |
| 42   | Outer Diameter (mm):   |
| 135  | Weight (g):            |

### Optical Properties

|              |  |
|--------------|--|
| 100.00       | Field of View @ Min Working Distance (mm): |
| 20.9°        | Horizontal Field of View, 1" Sensor:       |
| 16.00        | Maximum Image Circle (mm):                 |
| 35.00        | Focal Length FL (mm):                      |
| 300 - ∞      | Working Distance (mm):                     |
| f/1.4 - f/16 | Aperture (f/#):                            |
| <-0.5        | Distortion (%):                            |
| -0.5         | 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



