

Schneider 50mm F-Mount Lens



Stock #85-188 **1 In Stock**

⊖ 1 ⊕ C\$2,597.⁰⁰

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General

Product Family:
Schneider Large Format F-Mount VIS-NIR Lenses

Note:
Optimized Working Distance: 220mm - ∞

Type:
Fixed Focal Length Lens

Physical & Mechanical Properties

Iris Option:
Variable

Length (mm):

23.40

Maximum Diameter (mm):

49.0

Outer Diameter (mm):

59.6

Weight (g):

203.00

Maximum Rear Protrusion (mm):

19.8

Optical Properties

Field of View @ Min Working Distance (mm):

180.00

Horizontal Field of View, 35mm Sensor:

38.7°

Maximum Image Circle (mm):

43.30

Focal Length FL (mm):

50.00

Working Distance (mm):

156 - ∞

Aperture (f/#):

f/2.2 - f/16

Distortion (%):

<0.5

Coating:

400 - 1000 BBAR

Lens Wavelength Range:

VIS-NIR Color Corrected

Sensor

Maximum Sensor Format:

35mm (43.3mm Image Circle)

Pixel Size (µm):

6.20

Threading & Mounting

Filter Thread:

M43.0 x 0.75

Mount:

F-Mount

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 233:

[Compliant](#)

Product Details

- Full Frame, 35mm (Covers 46mm Image Circle), F-Mount Lens
- Color Corrected for Spectral Range of 400 – 1000nm
- 28mm to 100mm Focal Length

Ideal for surface inspection and line scan applications, Schneider Large Format F-Mount VIS-NIR Lenses offer low distortion and uniform performance across the entire focal plane. Featuring a lockable focus and iris, these lenses have been optically corrected for the 400 – 1000nm wavelength range. They can cover up to 35mm format sensors (43.3mm sensor diagonal). Schneider Large Format F-Mount VIS-NIR Lenses has been highly toleranced to eliminate tilt in the image plane, providing repeatable and accurate results.