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TECHSPEC® 50mm SWIR Series Fixed Focal Length Lens, C-Mount

50mm SWIR Fixed Focal Length Lens

Stock **#83-165** 10 TO 12 DAYS

- 1 + **₹152,555.00**

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Iris Option:
Variable

Length (mm):
112.00

Horizontal Field of View, 1/2" Sensor:
36.3mm - 7.3°

Horizontal Field of View, 2/3" Sensor:
50.0mm - 10.0°

Filter Thread:
M43 x 0.75 (Female)

Maximum Diameter (mm):
56

Outer Diameter (mm):
56.0

Weight (g):
565

Horizontal Field of View, 1/3" Sensor:
27.2mm - 5.5°

Maximum Rear Protrusion (mm):
0

Horizontal Field of View, 1" Sensor:
72.7mm - 14.6°

Maximum Image Circle (mm):
25.60

Numerical Aperture NA, Object Side:
0.037

Horizontal Field of View @ Max Sensor Format:
98.5mm - 19.7°

Flange Distance (mm):
17.526

Horizontal Field of View, 4/3" Sensor:
98.5mm - 19.7°

Horizontal Field of View, 1.1" Sensor:
80.7mm - 16.2°

Number of Elements (Groups):
10 (6)

Note:
Lens will cover larger 25.6mm and 20.5mm line scan sensors.

Horizontal Field of View, 1/1.8" Sensor:
40.9mm - 8.2°

Horizontal Field of View, 1/2.5" Sensor:
32.9mm - 6.6°

Type:
Fixed Focal Length Lens

Focal Length FL (mm):
50.00

Primary Magnification PMAG:
0.177

Maximum Sensor Format:
4/3"

Working Distance (mm):
275 - ∞

Mount:
C-Mount

Aperture (f/#):
f/2.15 - f/16

Coating:
0.8 - 1.8µm BBAR

Coating Specification:
0.8 - 1.8µm BBAR

Entrance Pupil Position (mm):
27.75

Horizontal Field of View, 1/4" Sensor:
20.4mm - 4.1°

Object Space Principal Plane (mm):
47.17

Image Space Principal Plane (mm):
-28.14

Field of View at Max Sensor Format:
Horizontal: 116.8mm - 23.3°
Vertical: 87.4mm - 17.5°
Diagonal: 146.3mm - 29°

Maximum Distortion (%):
-1.02

Exit Pupil Position (mm):
-59.88

Horizontal Field of View, 25.6mm Sensor:
140.7mm - 29.8°

Horizontal Field of View, 20.5mm Sensor:
112.3mm - 23.4°

Lens Wavelength Range:
SWIR

Imaging Lens Type:
SWIR Lens

Storage Temperature (°C):
-20 to +60 For questions regarding operating temperature please contact our support team

Regulatory Compliance

RoHS:
Compliant

Certificate of Conformance:
View