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TECHSPEC® 0.5X - 1.0X M Series Non-Telecentric Lens

Stock **#87-535** **3 In Stock**

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General

Type:
Variable Magnification Lens

Style:
Non-Telecentric, Variable Magnification

Physical & Mechanical Properties

Iris Option:
Variable

Length (mm):
76.00

Maximum Diameter (mm):
30

Weight (g):
87

Maximum Rear Protrusion (mm):
0

Maximum Length (mm):
76

Minimum Length (mm):
56

Optical Properties

Field of View at Max Sensor Format:
Horizontal: 17.4 - 8.8mm - 7.8°
Vertical: 13.0 - 6.7mm - 5.8°
Diagonal: 27.7 - 11.1mm - 9.7°

Resolution:
75 lp/mm @ >20%

Maximum Image Circle (mm):
11.00

Numerical Aperture NA, Object Side:
0.0559

Number of Elements (Groups):
5 (4)

Typical Distortion @ 588nm (%):
<0.1

Primary Magnification PMAG:
0.5X - 1.0X

Working Distance (mm):
61.5 - 100.1

FOV @ Max Sensor Format, H x V (mm):
17.6 x 13.2 - 8.8 x 6.6

Aperture (f/#):
f/4 - f/22

Coating Specification:
λ/4 MgF_2 @ 550nm

Entrance Pupil Position (mm):
22.56

Object Space Principal Plane (mm):
13.59

Image Space Principal Plane (mm):
-16.06

Maximum Distortion (%):
0.08

Exit Pupil Position (mm):
-8.74

Lens Wavelength Range:
VIS

Sensor

Maximum Sensor Format:
2/3"

Threading & Mounting

Filter Thread:
M25.5 x 0.50 (Female)

Mount:
C-Mount

Regulatory Compliance

RoHS 2015:
Compliant

REACH 201:
Compliant

Certificate of Conformance:
View

Country of Origin:
China

Imported By:
Edmund Optics India Private Limited

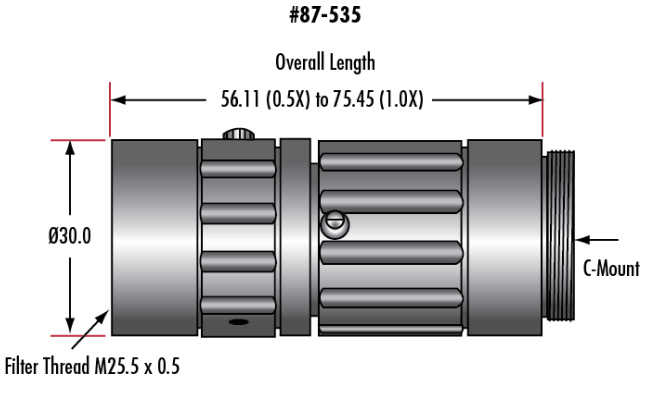
Product Details

- Variable Magnication Lens
- Up to 5 MegaPixels, 3.45m Pixel Size Sensors
- ⅔", C-Mount Lens

TECHSPEC® M Series Variable Magnification Lenses are designed for applications that may require constant adjustment of a system's field of view. Each lens provides a range of magnications that users can adjust or lock down with a set screw. With coverage for up to ⅔" format sensors, these lenses feature compact, C-mount compatible designs for easy system integration. TECHSPEC® M Series Variable Magnification Lenses also include an adjustable iris to control light throughput and improve image quality. These lenses are ideal for use in high magnication machine vision and factory automation.

Note: Customized magnication versions are also available to meet volume requirements. Please contact technical support to discuss your specific requirements.

Technical Information



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