

**TECHSPEC® 0.5X M Series Fixed Magnification Non-Telecentric Lens**



Stock **#87-531** **3 In Stock**

⊖ 1 ⊕ **\$657<sup>00</sup>**

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**General**

Fixed Magnification Lens **Type:**  
Non-Telecentric, Fixed Magnification **Style:**

**Physical & Mechanical Properties**

Variable **Iris Option:**

56.11 Length (mm):

30 Maximum Diameter (mm):

0 Maximum Rear Protrusion (mm):

## Optical Properties

### Field of View at Max Sensor Format:

Horizontal: 17.4mm - 7.8°

Vertical: 13mm - 5.8°

Diagonal: 21.7mm - 9.7°

### Resolution:

75 lp/mm @ >20%

### Maximum Image Circle (mm):

11.00

### Numerical Aperture NA, Object Side:

0.039

### Number of Elements (Groups):

5 (4)

### Typical Distortion @ 588nm (%):

<0.1

### Primary Magnification PMAG:

0.5X

### Working Distance (mm):

100.1

### FOV @ Max Sensor Format, H x V (mm):

17.6 x 13.2

### Aperture (f/#):

f/4 - f/22

### Coating Specification:

M4 MgF<sub>2</sub> @ 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

### Certificate of Conformance:

[View](#)

## Product Details

- Variable Magnification Lens
- Up to 5 MegaPixels, 3.45m Pixel Size Sensors
- 2/3", 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 magnifications that users can adjust or lock down with a set screw. With coverage for up to 2/3" 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 magnification machine vision and factory automation.

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

## Technical Information

**Fixed Magnification Lens**

