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1X Mitutoyo Compact Objective

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Mitutoyo Compact Objectives



Stock #56-988 **3 In Stock**

⊖ 1 ⊕ S\$756⁰⁰

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General

375-031 **Model Number:**

Microscope Objective **Type:**

Finite Conjugate **Style:**

Manufacturer:

Physical & Mechanical Properties

36.30 Length (mm):

36.30 Length excluding Threads (mm):

30 Maximum Diameter (mm):

45.00 Weight (g):

Optical Properties

58.99 Effective Focal Length EFL (mm):

6.40mm Horizontal Field of View, 1/2" Sensor:

8.80mm Horizontal Field of View, 2/3" Sensor:

58.99 Focal Length FL (mm):

1X Magnification:

0.03 Numerical Aperture NA:

9.2 Resolving Power (μm):

306.00 Depth of Field (μm):

24.0 Field of View, 24 Diameter Field Eyepiece (mm):

18.0 Field of View, 18 Diameter Field Eyepiece (mm):

73.7 Working Distance (mm):

435 - 655 Wavelength Range (nm):

24 Field Number (mm):

110 Parfocal Length (mm):

N/A Immersion Liquid:

Sensor

2/3" Maximum Sensor Format:

Threading & Mounting

M26 x 36 TPI Mounting Threads:

Environmental & Durability Factors

+5 to +35 Operating Temperature ($^{\circ}\text{C}$):

65 \pm 20% Operating Humidity:

Regulatory Compliance

[Compliant](#) RoHS 2015:

[View](#) Certificate of Conformance:

[Compliant](#) REACH 241:

Product Details

- Long Working Distances Allow for Integration into Machine Vision Measurement Systems
- Small Size with Excellent Performance
- Long Working Distances
- Easily Integrates with C-Mount Cameras

The Mitutoyo Compact Objectives are ideal replacements to commercial and biological grade microscope objectives. An optimized compromise between physical size, numerical aperture, and working distance leads to diffraction limited performance at a fraction of the size and cost of their [infinity-corrected](#) counterparts. These objectives are easily integrated into C-Mount imaging systems with our Mitutoyo C-Mount Camera Tube [#56-992](#). Higher powers are available in a larger package design, please contact our [Applications Engineering Department](#) for more information.

Technical Information

Magnification	Working Distance	A	B	C	D	E	Stock No.
1X	73.7mm	36.3mm	5.0mm	26.0mm	25.0mm	30.0mm	#56-988
2X	92.0mm	18.0mm	12.0mm	22.0mm	25.0mm	30.0mm	#56-989
3X	77.8mm	32.2mm	5.0mm	26.0mm	25.0mm	30.0mm	#56-990

