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20X Mitutoyo Telecentric Objective

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3X (#56-985) & 5X (#56-986)



Stock #87-228 **1 In Stock**

⊖ 1 ⊕ €3.265⁰⁰

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General

375-051 **Model Number:**

Microscope Objective **Type:**

Finite Conjugate **Style:**

Mtutoyo **Manufacturer:**

Note:
Image is formed 280mm from specimen (170mm from the mounting flange)

Physical & Mechanical Properties

90.00 **Length (mm):**

90.00 **Length excluding Threads (mm):**

39 **Maximum Diameter (mm):**

310 **Weight (g):**

Optical Properties

0.32mm **Horizontal Field of View, 1/2" Sensor:**

0.44mm **Horizontal Field of View, 2/3" Sensor:**

9.21 **Focal Length FL (mm):**

NA0.42 **Aperture (f/#):**

20X **Magnification:**

0.42 **Numerical Aperture NA:**

0.7 **Resolving Power (μm):**

1.60 **Depth of Field (μm):**

1.2 **Field of View, 24 Diameter Field Eyepiece (mm):**

0.9 **Field of View, 18 Diameter Field Eyepiece (mm):**

20 **Working Distance (mm):**

435 - 655 **Wavelength Range (nm):**

110 **Parfocal Length (mm):**

N/A **Immersion Liquid:**

11.00 **Maximum Image Circle (mm):**

Sensor

2/3" **Maximum Sensor Format:**

Threading & Mounting

M26 x36 TPI **Mount:**

M26 x36 TPI **Mounting Threads:**

Environmental & Durability Factors

+5 to +40 **Operating Temperature ($^{\circ}\text{C}$):**

20 - 80% **Operating Humidity:**

Regulatory Compliance

[Exempt](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Contains SVHC\(s\)](#) **REACH 241:**

Product Details

- Long Working Distances Allow for Integration into Machine Vision Measurement Systems
- Compact Design and Long Parfocal Length Simplifies Mounting
- [Tube](#) Available for Use with C-Mount Cameras
- Aluminum Alloy Housing

Mitutoyo Telecentric Objectives are ideal for high-resolution, high power machine vision measurement and optical gauging systems. With powers up to 100X, these objectives can be used for semiconductor production and inspection, and in metrology, quality assurance, and R&D laboratories. These objectives are constructed of an aluminum alloy housing. Mitutoyo Telecentric Objectives have a compact design and a long parfocal length that simplifies mounting. They are easily integrated into C-Mount imaging systems with our Mitutoyo C-Mount Camera Tube [#56-992](#).

Edmund Optics is the main source for Mitutoyo Objectives. Place your orders now for these in demand quality products.

Technical Information

Magnification	A	B	C	D	E	Stock No.
1X	49	10	16.5	31.5	31.5	#56-984
3X	33	10	18	25	28	#56-985
5X	49	10	17	25	28	#56-986
10X	59	10	14.5	30	30	#56-987
20X	90	14.5	23	33	39	#87-228
50X	97	14.7	23	33	39	#87-229
100X	104	14.1	23	33	39	#87-230

