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# 5X Mitutoyo Telecentric Objective

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

Stock **#56-986** **2 In Stock**

⊖ 1 ⊕ **SS\$1,743<sup>00</sup>**

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## Product Downloads

### General

375-034-1	<b>Model Number:</b>
Microscope Objective	<b>Type:</b>
Finite Conjugate	<b>Style:</b>
Mitutoyo	<b>Manufacturer:</b>
	<b>Note:</b>

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

## Physical & Mechanical Properties

49.00 Length (mm):

49.00 Length excluding Threads (mm):

30 Maximum Diameter (mm):

60 Weight (g):

## Optical Properties

1.28mm Horizontal Field of View, 1/2" Sensor:

1.80mm Horizontal Field of View, 2/3" Sensor:

34.74 Focal Length FL (mm):

NA0.13 Aperture (f/#):

5X Magnification:

0.13 Numerical Aperture NA:

2.12 Resolving Power ( $\mu\text{m}$ ):

16.30 Depth of Field ( $\mu\text{m}$ ):

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

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

61 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 x 36 TPI Mount:

M26 x 36 TPI Mounting Threads:

## Environmental & Durability Factors

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

20 - 80% 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
- 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	<a href="#">#56-984</a>
3X	33	10	18	25	28	<a href="#">#56-985</a>
5X	49	10	17	25	28	<a href="#">#56-986</a>
10X	59	10	14.5	30	30	<a href="#">#56-987</a>
20X	90	14.5	23	33	39	<a href="#">#87-228</a>
50X	97	14.7	23	33	39	<a href="#">#87-229</a>
100X	104	14.1	23	33	39	<a href="#">#87-230</a>

