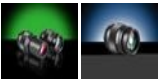


50X Mitutoyo Telecentric Objective

See More by [Mitutoyo](#)



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



Stock **#87-229** [CONTACT US](#)

-

1

+

£3,512⁰⁰

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Product Downloads

General	
375-052	Model Number:
Microscope Objective	Type:
Finite Conjugate	Style:

Mitutoyo	Manufacturer:
Note: Image is formed 280mm from specimen (170mm from the mounting flange)	
Physical & Mechanical Properties	
97.00	Length (mm):
97.00	Length excluding Threads (mm):
39	Maximum Diameter (mm):
350	Weight (g):
Optical Properties	
0.13mm	Horizontal Field of View, 1/2" Sensor:
0.18mm	Horizontal Field of View, 2/3" Sensor:
3.61	Focal Length FL (mm):
NA0.55	Aperture (f/#):
50X	Magnification:
0.55	Numerical Aperture NA:
0.5	Resolving Power (μm):
0.90	Depth of Field (μm):
0.45	Field of View, 24 Diameter Field Eyepiece (mm):
0.36	Field of View, 18 Diameter Field Eyepiece (mm):
13	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 (°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

Mitutoyo Telecentric Objectives

The diagram illustrates the mechanical dimensions of a Mitutoyo Telecentric Objective. It shows a side view of the objective with various measurement points indicated by dimension lines. Dimension A is the distance from the mounting flange to the rear lens. Dimension B is the distance from the mounting flange to the front lens. Dimension C is the height of the mounting flange. Dimension D is the height of the rear lens. Dimension E is the height of the front lens. The total distance from the mounting flange to the front lens is labeled PD=110. The working distance (WD) is the distance from the front lens to the object plane. A note at the bottom left states 'Units: mm'.