

# 5X Mitutoyo Telecentric Objective

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

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

-

1

+

MRP ₹1,24,219

 Price inclusive of all taxes

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Product Downloads

| General              |               |
|----------------------|---------------|
| 375-034-1            | 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 |                                |
|----------------------------------|--------------------------------|
| 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 (μm):                           |
|                    |                                                 |
|                    |                                                 |
| 16.30              | Depth of Field (μm):                            |
|                    |                                                 |
|                    |                                                 |
| 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 (°C): |
|                                    |                             |
|                                    |                             |
| 20 - 80%                           | Operating Humidity:         |
|                                    |                             |

| Regulatory Compliance                                                                                                                                            |                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Compliant                                                                                                                                                        | RoHS 2015:                  |
|                                                                                                                                                                  |                             |
| View                                                                                                                                                             | Certificate of Conformance: |
|                                                                                                                                                                  |                             |
|                                                                                                                                                                  |                             |
| Compliant                                                                                                                                                        | REACH 241:                  |
|                                                                                                                                                                  |                             |
|                                                                                                                                                                  |                             |
| Japan                                                                                                                                                            | Country of Origin:          |
|                                                                                                                                                                  |                             |
|                                                                                                                                                                  |                             |
| Imported By:<br>Edmund Optics India Private Limited<br>267, Greystone Building, Second Floor,<br>6th Cross Rd, Binnamangala,<br>Stage 1, Indiranagar, Bengaluru, |                             |

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> |

Mitutoyo Telecentric Objectives

Units: mm