

TECHSPEC<sup>®</sup> 0.5X, 2/3" C-Mount PlatinumTL™ Telecentric Lens



0.5X Magnification, #62-932

Stock **#62-932** 14 In Stock

-

1

+

S\$2,187<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | S\$2,187.00 each              |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

PlatinumTL™ Series

Series:

[#63-442](#) Sold Separately

Stock No. of Mounting Clamp:

Telecentric Lens

Type:

Physical & Mechanical Properties

Variable

Iris Option:

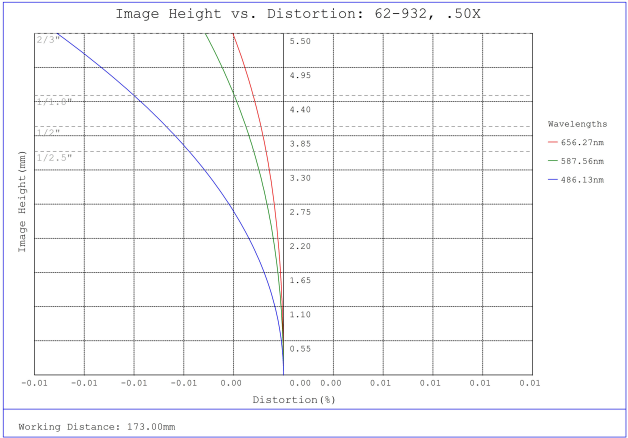
|                              |                                        |
|------------------------------|----------------------------------------|
| 174.90                       | Length (mm):                           |
| 50.0                         | Maximum Diameter (mm):                 |
| 432                          | Weight (g):                            |
| 17.5                         | Flange Distance (mm):                  |
| Optical Properties           |                                        |
| 17.7mm                       | Horizontal Field of View, 2/3" Sensor: |
| 12.8mm                       | Horizontal Field of View, 1/2" Sensor: |
| 11.00                        | Maximum Image Circle (mm):             |
| 0.041                        | Numerical Aperture NA, Object Side:    |
| 10 (7)                       | Number of Elements (Groups):           |
| <0.050                       | Typical Telecentricity @ 588nm (°):    |
| <0.006                       | Typical Distortion @ 588nm (%):        |
| 0.5X                         | Primary Magnification PMAG:            |
| 0.50                         | Telecentric Lens Magnification:        |
| 173.00                       | Working Distance (mm):                 |
| 17.6 x 13.2                  | FOV @ Max Sensor Format, H x V (mm):   |
| f/6 - f/22                   | Aperture (f/#):                        |
| 425 - 675nm BBAR             | Coating:                               |
| ±2.1 at f/10 (20% @20 lp/mm) | Depth of Field (mm):                   |
| 0.5X                         | Magnification:                         |
| VS                           | Lens Wavelength Range:                 |
| Sensor                       |                                        |
| 2/3"                         | Maximum Sensor Format:                 |
| 2.74                         | Pixel Size (µm):                       |
| Threading & Mounting         |                                        |
| M46 x0.75 (Female)           | Filter Thread:                         |
| C-Mount                      | Mount:                                 |
| Regulatory Compliance        |                                        |
| <a href="#">View</a>         | Certificate of Conformance:            |

## Product Details

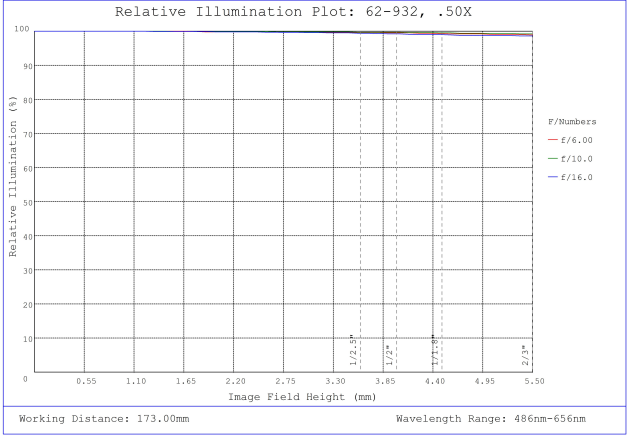
- High Resolution f/6 Bi-Telecentric Lens for Measurement
- Up to 35 MegaPixels, 2.8µm Pixel Size Sensors
- APS-C, C-Mount, T-Mount, F-Mount Telecentric Lens
- Magnification from 0.28X to 1.7X

TECHSPEC® PlatinumTL™ Telecentric Lenses are designed for semiconductor and electronics inspection, measurement, and gauging applications. The precision designs feature high telecentricity (<0.1°), low distortion (<0.1%), and high light throughput with an adjustable aperture that achieves f/6 when fully open. Capable of supporting large format 28.7mm diagonal sensors, these lenses are compatible with the Sony IMX342 APS-C sensor and other similar format sensors such as the Sony IMX530. TECHSPEC® PlatinumTL™ Telecentric Lenses produce unparalleled levels of contrast yielding maximum image quality with the highest degree of measurement accuracy. These lenses are suitable for high vibration environments and feature a removable recessed set screw for securing the iris in place.

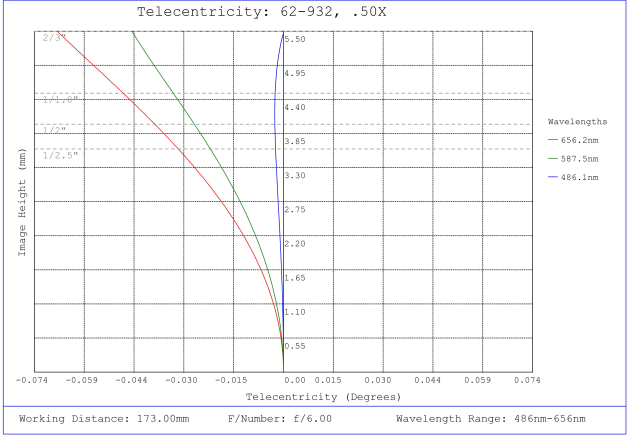
## Technical Information



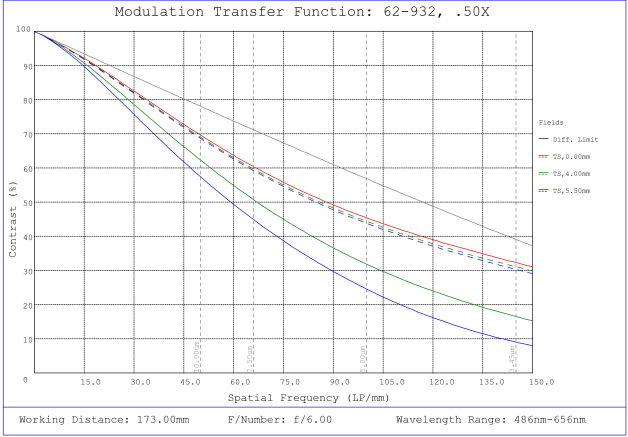
#62-932, 0.5X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Distortion Plot



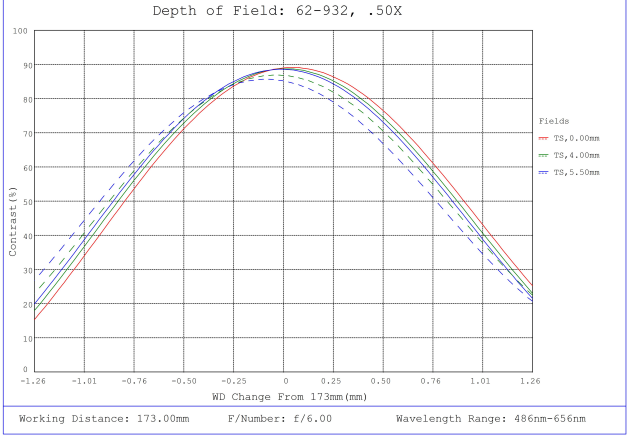
#62-932, 0.5X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Relative Illumination Plot



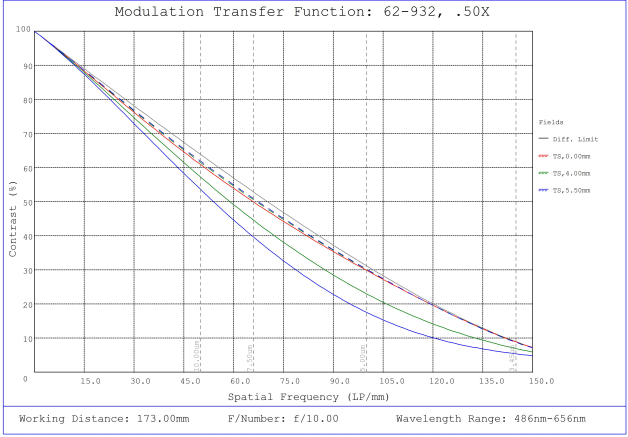
#62-932, 0.5X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Telecentricity Plot



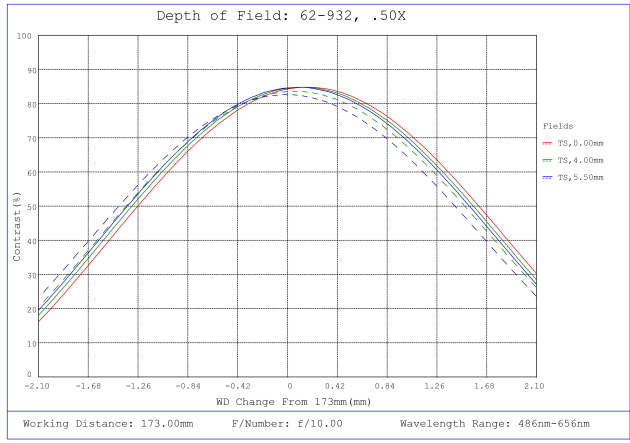
#62-932, 0.5X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 173mm Working Distance, f6



#62-932, 0.5X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Depth of Field Plot, 173mm Working Distance, f6



#62-932, 0.5X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 173mm Working Distance, f10



#62-932, 0.5X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Depth of Field Plot, 173mm Working Distance, f10

| Description |           | Stock No. | Flange  | Length (A) | Front Diameter (B) | Back Diameter (C) |
|-------------|-----------|-----------|---------|------------|--------------------|-------------------|
| 0.28X       | C-Mount   | #62-933   | 17.5mm  | 230.8mm    | 60.5mm             | 33.5mm            |
| 0.5X        | C-Mount   | #62-932   | 17.5mm  | 174.9mm    | 50mm               | 33.5mm            |
| 1.7X        | C-Mount   | #63-232   | 17.5mm  | 189.5mm    | 60mm               | 46mm              |
| 0.28X       | F-Mount   | #62-922   | 46.5mm  | 167.6mm    | 138.6mm            | 55mm              |
|             | M42 x 1.0 | #62-923   | 6.56mm  | 208.5mm    | 138.6mm            | 50mm              |
|             | M42 x 1.0 | #62-924   | 19.53mm | 195.5mm    | 138.6mm            | 50mm              |
| 0.5X        | F-Mount   | #62-912   | 46.5mm  | 143mm      | 90mm               | 55mm              |
|             | M42 x 1.0 | #62-913   | 6.56mm  | 184mm      | 90mm               | 50mm              |
|             | M42 x 1.0 | #62-914   | 19.53mm | 171.1mm    | 90mm               | 50mm              |
| 0.9X        | F-Mount   | #62-902   | 46.5mm  | 170.8mm    | 65mm               | 55mm              |
|             | M42 x 1.0 | #62-903   | 6.56mm  | 210.7mm    | 65mm               | 53mm              |
|             | M42 x 1.0 | #62-904   | 19.53mm | 197.8mm    | 65mm               | 53mm              |

