

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

Stock #62-932 2 In Stock



1

MRP ₹1,65,900

Price inclusive of all taxes

ADD TO CART

0.5X Magnification, #62-932

Volume Pricing	
Qty	₹1,65,900
1+	each
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STEP:step	PDF Drawing:pdf
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General

Product Family: PlatinumTL™ Series	Stock No. of Mounting Clamp: #63-442 Sold Separately
Type: Telecentric Lens	

Physical & Mechanical Properties

Iris Option: Variable	Length (mm): 174.90
Maximum Diameter (mm): 50.0	Weight (g): 432
Flange Distance (mm): 17.5	

Optical Properties

Horizontal Field of View, 2/3" Sensor: 17.7mm	Horizontal Field of View, 1/2" Sensor: 12.8mm
Maximum Image Circle (mm): 11.00	Numerical Aperture NA, Object Side: 0.041
Number of Elements (Groups): 10 (7)	Typical Telecentricity @ 588nm (°): <0.050
Typical Distortion @ 588nm (%): <0.006	Primary Magnification PMAG: 0.5X
Telecentric Lens Magnification: 0.50	Working Distance (mm): 173.00
FOV @ Max Sensor Format, H x V (mm): 17.6 x 13.2	Aperture (f/#): f/6 - f/22
Coating: 425 - 675nm BBAR	Depth of Field (mm): ±2.1 at f/10 (20% @ 20 lp/mm)
Magnification: 0.5X	Lens Wavelength: VIS

Range:

Sensor

Maximum Sensor Format: 2/3"

Pixel Size (µm): 2.74

Threading & Mounting

Filter Thread: M46 x 0.75 (Female)

Mount: C-Mount

Regulatory Compliance

Certificate of Conformance: [View](#)

Country of Origin: China

Imported By: Edmund Optics India Private Limited
267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038
Phone: +91-80-6845 0000

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



Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	Mounting Clamp, 33.5mm Inner Diameter		#63-442	₹39,825 Request Quote	1 In Stock <input type="text" value="1"/>

Related Products



TitanTL® Telecentric Lenses



GoldTL™ Telecentric Lenses



SilverTL™ Telecentric Lenses



#58-404 - EO Telecentricity Test Target
₹1,52,397

Qty

Frequently Purchased Together



#03-618 - 5mm Spacer to convert CS-Mount Cameras to C-Mount
₹3,080

Qty



#32-313 - 12.5mm Dia. x 30mm FL, MgF₂ Coated, Achromatic Doublet Lens
₹8,677

Qty



#32-921 - 40mm Dia. x 120mm FL, MgF₂ Coated, Achromatic Doublet Lens
₹18,262

Qty



#33-516 - Allied Vision Mako G-192B 1/1.8" Monochrome CMOS Camera
₹71,154

Qty

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Anti-Reflection (AR) Coatings

APPLICATION NOTE

An Introduction to Optical Coatings

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Wavelength and f#

APPLICATION NOTE

Understanding Focal Length and Field of View

APPLICATION NOTE

Introduction to Modulation Transfer Function

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