

TECHSPEC® 0.179X, 35mm M42 x 1.0 TitanTL® Telecentric Lens



TitanTL® Telecentric Lens



Stock **#34-028** [CONTACT US](#)

- 1 + MRP ₹11,36,568

● Price inclusive of all taxes

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Volume Pricing	
Qty 1+	₹11,36,568 each
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General

TitanTL® Series **Product Family:**

Stock No. of Mounting Clamp:
#28-642 (Sold Separately)

Telecentric Lens **Type:**

Physical & Mechanical Properties

Variable Iris Option:

630.70 Length (mm):

266 Maximum Diameter (mm):

50.8 Rear Filter Diameter (mm):

Optical Properties

163.1mm Horizontal Field of View, APS-H Sensor:

35.50 Maximum Image Circle (mm):

0.0056 Numerical Aperture NA, Object Side:

7 (5) Number of Elements (Groups):

0.179X Primary Magnification PMAG:

0.18 Telecentric Lens Magnification:

351 Working Distance (mm):

163.1 x 112.8 FOV @ Max Sensor Format, H x V (mm):

f/16 Aperture (f#):

M4 MgF₂ Coating:

±26.6mm (20% @ 20 lp/mm, f/16) Depth of Field (mm):

0.179X Magnification:

<0.2 Typical Distortion @ 520nm (%):

<0.036 Typical Telecentricity @ 520nm (°):

VIS Lens Wavelength Range:

Sensor

APS-H Maximum Sensor Format:

2.74 Pixel Size (µm):

Threading & Mounting

N/A Filter Thread:

M42 x 1.0 Mount:

Regulatory Compliance

[View](#) Certificate of Conformance:

China Country of Origin:

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

- Large Field of View Telecentric Lens
- Up to 31.4 MegaPixels, 3.45µm Pixel Size Sensors
- Full Frame (35mm), C-Mount, T-Mount, M58-Mount, F-Mount Telecentric Lens
- Magnification from 0.037X to 0.377X

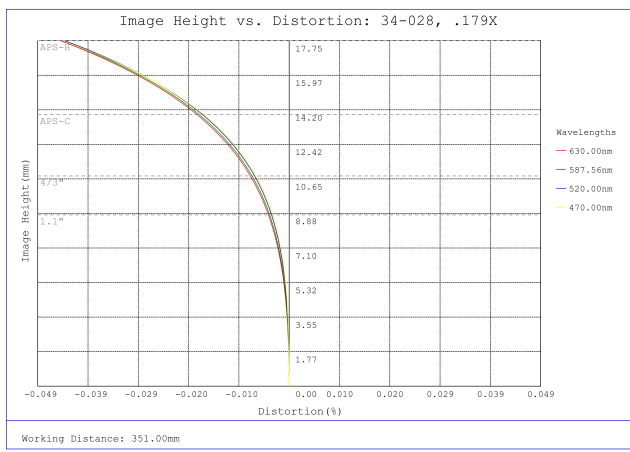
TECHSPEC® TitanTL® Telecentric Lenses are designed for machine vision systems and metrology applications that require a large field of view. These lenses feature large maximum sensor formats, a variety of working distance

and magnification options, and a rear filter holder on the back of the lenses to allow for easy filter integration. On our 118mm, 182mm and 242mm FOV versions, the integrated mounting flange allows for ease of securing each lens without requiring an additional mount and provides an easy to locate reference plane. TECHSPEC® TitanTL® Telecentric Lenses contain shims that provide adjustment for variation in camera sensor location, an adjustable iris and a 3 set screw lens mount for simple rotational alignment to the camera. Typical applications include automotive and electronic inspection, measurement and gauging applications.

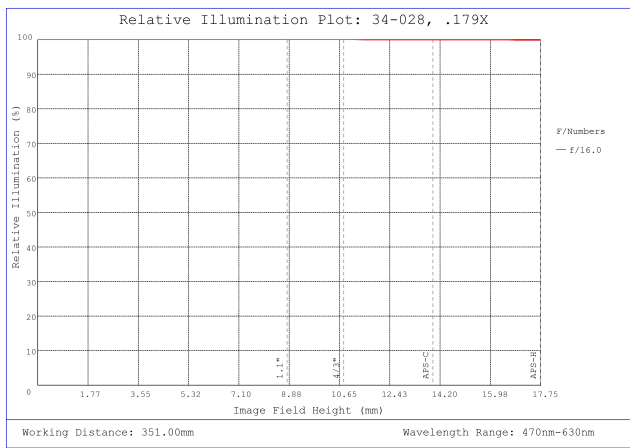
These lenses won the [Silver Level 2017 Innovators Award](#).

Note: Detailed inspection reports included with each lens.

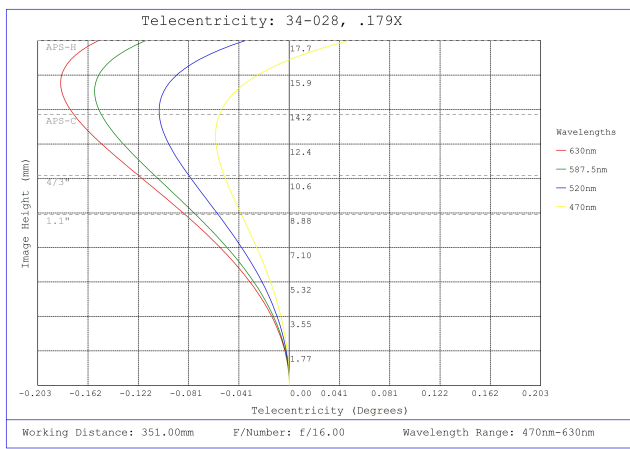
Technical Information



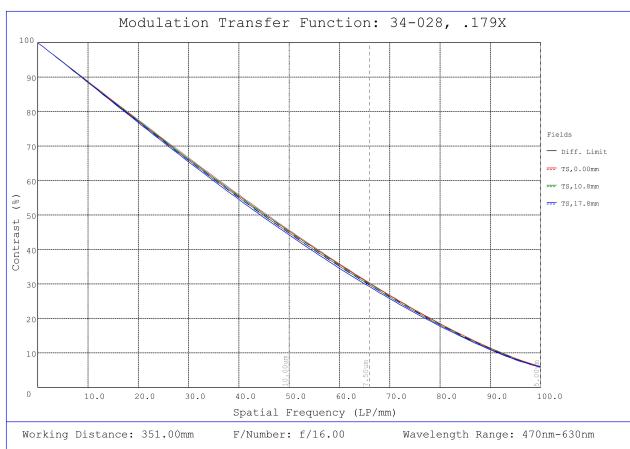
#34-028, 0.179X, 35mm M42 x 1.0 TitanTL® Telecentric Lens, Distortion Plot



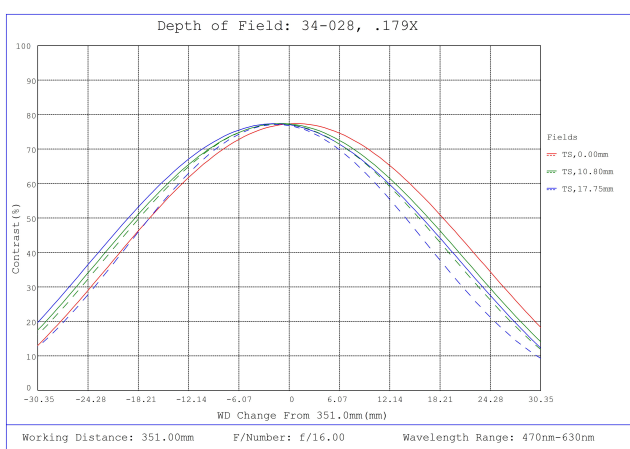
#34-028, 0.179X, 35mm M42 x 1.0 TitanTL® Telecentric Lens, Relative Illumination Plot



#34-028, 0.179X, 35mm M42 x 1.0 TitanTL® Telecentric Lens, Telecentricity Plot



#34-028, 0.179X, 35mm M42 x 1.0 TitanTL® Telecentric Lens, Modulated Transfer Function (MTF) Plot, 351mm Working Distance, f16



#34-028, 0.179X, 35mm M42 x 1.0 TitanTL® Telecentric Lens, Depth of Field Plot, 351mm Working Distance, f16

