TECHSPEC® 0.50X In-Line Illumination SilverTL™ SWIR Telecentric Lens

#26-630



TECHSPEC® SilverTL™ SWIR Telecentric Lenses

Phone: 1-800-363-1992 or 1-856-573-6250, Fax: 1-856-573-6295
101 EAST GLOUCESTER PIKE | P.O BOX 9000
BARRINGTON, NJ 08007-1380 USA
www.edmundoptics.com

TECHSPEC® SilverTL™ SWIR Telecentric Lenses are designed with broadband AR coatings optimized for a 900 – 1700nm wavelength range. These lenses combine high quality optics with a simplified non-focusing mechanical design and adjustable iris with a locking set screw. For optimum resolution and performance at the application's target spectral range, SWIR Machine Vision filters and SWIR LED illumination are recommended. TECHSPEC® SilverTL™ SWIR Telecentric Lenses feature a standard front filter thread for use with color filters, polarizers, protective windows, and illumination adapters for LED or fiber-optic ring lights. These lenses are ideal for semi-conductor measuring and both on-line and off-line machine vision production applications that require precise measurements.

Note: Mounting brackets are available that fit the 30mm diameter mounting surface.

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General

Product Family:	Silver SWIR Series
Stock No. of Mounting Clamp:	#56-871 Sold Separately
Type:	Telecentric Lens
Type of Illumination:	In-Line Illumination

Physical & Mechanical Properties

Iris Option:	Variable
Length (mm):	156.20
Length excluding Threads (mm):	156.20
Maximum Diameter (mm):	40.00
Weight (g):	233
Construction:	Anodized Aluminum

Optical Properties

Horizontal Field of View, 1/1.8" Sensor:	14.4mm
Horizontal Field of View, 1/2" Sensor:	12.8mm
Horizontal Field of View, 1/3" Sensor:	9.6mm
Maximum Image Circle (mm):	9.00
Numerical Aperture NA, Object Side:	0.041
Working Distance Tolerance (mm):	±3
Resolution, Image Space MTF @ f/10:	>40% @ 40 lp/mm
Number of Elements (Groups):	7 (6)
Wavelength Range (nm):	900 - 1700
Typical Telecentricity @ 588nm (°):	<0.012
Typical Distortion @ 588nm (%):	<0.200
Primary Magnification PMAG:	0.5X
Telecentric Lens Magnification:	0.50
Working Distance (mm):	120.00
FOV @ Max Sensor Format, H x V (mm):	14.4 x 10.8
Aperture (f/#):	f/6 - f/22
Coating:	900 - 1700nm BBAR
Depth of Field (mm):	±2.1 at f/10 (20% @ 20 lp/mm)
Magnification:	0.5X
Lens Wavelength Range:	SWIR

Sensor

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Maximum Sensor Format:	1/1.8"
Pixel Size (µm):	2.74

Threading & Mounting

Filter Thread:	M37 x 0.75 (Female)
Mount:	C-Mount

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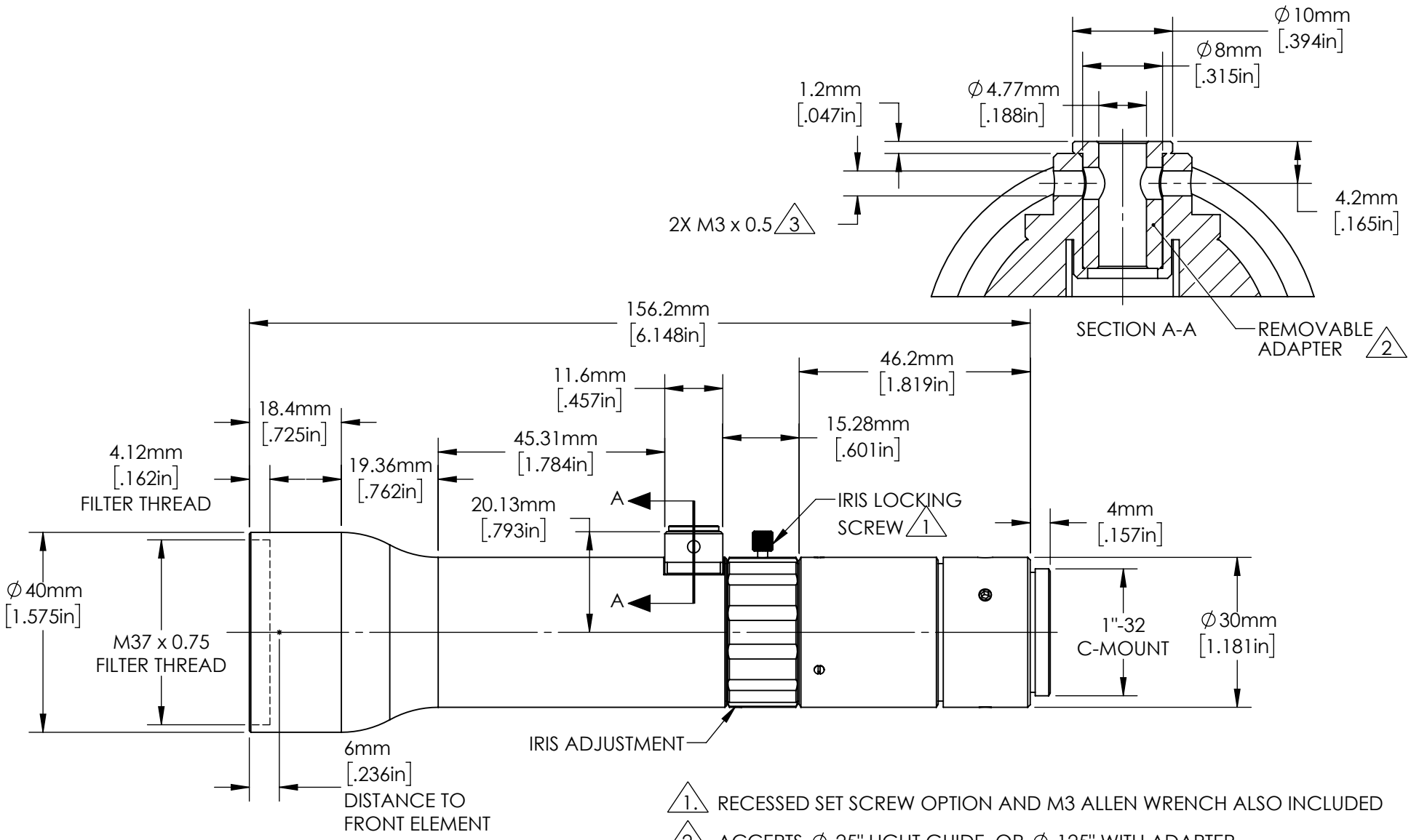
Stock No.	Description
26-630	0.50X In-Line Illumination SilverTL™ SWIR Telecentric Lens

Edmund Optics certifies that all articles included in this shipment are in compliance with the terms and conditions of this order. The company also certifies that the articles included in this shipment are in accordance to all agreed upon specifications and quality assurance provisions. Please call 1-800-363-1992 should any questions arise from this shipment.



Jeff Harvey- EVP of Operations

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△1. RECESSED SET SCREW OPTION AND M3 ALLEN WRENCH ALSO INCLUDED

△2. ACCEPTS ∅.25" LIGHT GUIDE, OR ∅.125" WITH ADAPTER

△3. SET SCREWS TO HOLD LIGHT GUIDE INCLUDED

FOR INFORMATION ONLY:

DO NOT MANUFACTURE PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
DIMENSIONS ARE FOR REFERENCE ONLY.
FOR DETAILED SPECIFICATIONS, PLEASE REFER TO THE SPEC SHEET.

Edmund Optics®

TITLE	0.50X In-Line Illumination SilverTL™ SWIR Telecentric Lens		
DWG NO	26630		SHEET 1 OF 1