

TECHSPEC®

35mm TFL-II Mount LH Series Fixed Focal Length Lens



#13-809: 35mm TFL-II Mbunt LH Series Fixed Focal Length Lens

Stock **#13-809** 20+ In Stock

-

1

+

C\$4,193⁰⁰

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General

LH Series

Series:

Fixed Focal Length Lens

Type:

Very High Performance Lens

Imaging Lens Type:

Physical & Mechanical Properties

Variable

Iris Option:

175.80	Length (mm):
75	Maximum Diameter (mm):
75	Outer Diameter (mm):
1029	Weight (g):
0	Maximum Rear Protrusion (mm):

Optical Properties

Horizontal Field of View @ Max Sensor Format: 312.5mm - 57.8°
Horizontal Field of View, 35mm Sensor: 312.5mm - 57.8°
Horizontal Field of View, APS-H Sensor: 247.3mm - 47.3°
Horizontal Field of View, APS-C Sensor: 185.9mm - 36.4°
Horizontal Field of View, 4/3" Sensor: 142.0mm - 28.2°
Horizontal Field of View, 1.1" Sensor: 115.9mm - 23.2°
Horizontal Field of View, 1" Sensor: 104.2mm - 20.9°
Horizontal Field of View, 2/3" Sensor: 71.3mm - 14.4°
Horizontal Field of View, 1/1.8" Sensor: 58.3mm - 11.8°
Horizontal Field of View, 1/2" Sensor: 51.8mm - 10.5°
Maximum Image Circle (mm): 43.30
Numerical Aperture NA, Object Side: 0.02137
Number of Elements (Groups): 11 (9)
Focal Length FL (mm): 35.00
Working Distance (mm): 250 - ∞
Aperture (f/#): f/2.8 - f/22
Distortion (%): <6.8
Coating: λ/4 MgF ₂
Coating Specification: λ/4 MgF ₂
Maximum Distortion (%): 6.8
Lens Wavelength Range: VIS

Sensor

Optimized Sensor Format: APS-H
Maximum Sensor Format: 35mm (43.3mm Image Circle)
Pixel Size (μm): 2.20

Threading & Mounting

Filter Thread: M72 x0.75 (Female)
Mount: TFL-II Mount

Regulatory Compliance

Certificate of Conformance: View

Product Details

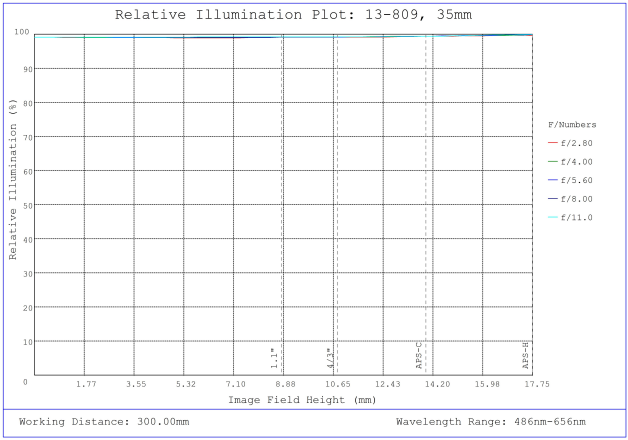
- Compatible with APS-H (35.5mm) and 35mm Full Frame Sensors
- 120 MegaPixels, 2.2µm Pixel Size Sensors
- Large format Lenses for APS-H Sensors (LH)
- Ultra-High Resolution Large Format Lenses

TECHSPEC® LH Series Fixed Focal Length Lenses are designed for 120 Megapixel sensors in an APS-H format. The LH Series are the first large format lenses to truly support the 2.2µm pixel size featured on the Canon 120MP CMOS Sensor. These ultra-high resolution lenses work with APS-H sensors (35.5mm diagonal) and also on larger 35mm full frame sensors (43.3mm diagonal). TECHSPEC LH Series Fixed Focal Length Lenses provide a solution for the ultra-high resolution requirements of machine vision and many **factory automation** and display inspection applications. F-Mount or TFL-II Mount versions are available.

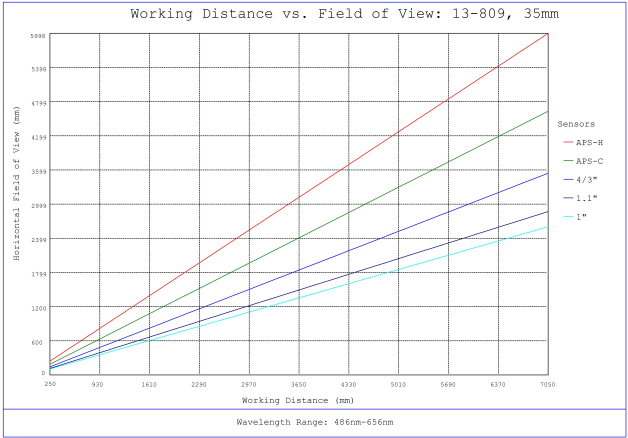
Technical Information



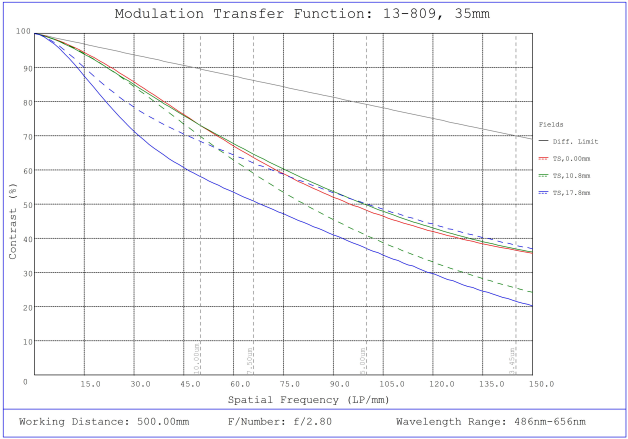
#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Distortion Plot



#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Relative Illumination Plot



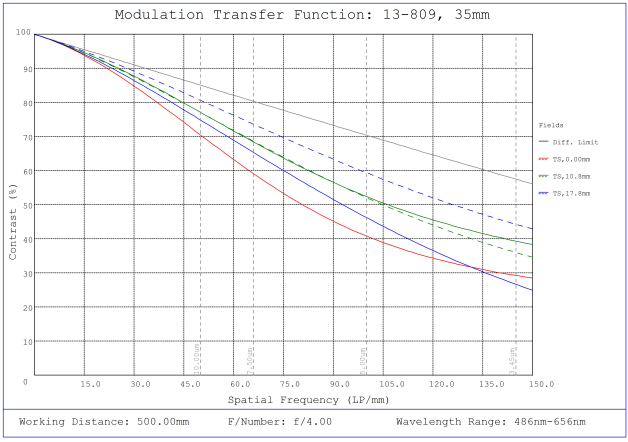
#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Working Distance versus Field of View Plot



#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 500mm Working Distance, f2.8



#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Depth of Field Plot, 500mm Working Distance, f2.8



#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 500mm Working Distance, f4



#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Depth of Field Plot, 500mm Working Distance, f4