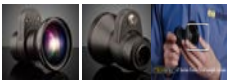


TECHSPEC[®] 25mm LT Series Fixed Focal Length Lens



25mm FL Front, #14-363



Stock **#14-363** CLEARANCE **1 In Stock**

-

1

+

€1.765^{.00}

ADD TO CART

Volume Pricing	
Qty 1+	€1.765,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Diameter includes liquid lens

Note:

Fixed Focal Length Lens	Type:
Integrated Liquid Lens Model: Optutune EL-10-30-TC-VIS-5D	
Imaging Lens Type: Integrated Liquid Lens to Adjust Focus Electronically	
Physical & Mechanical Properties	
Fixed	Iris Option:
99.51	Length (mm):
78.5	Maximum Diameter (mm):
78.5	Outer Diameter (mm):
366.5	Weight (g):
0	Maximum Rear Protrusion (mm):
Optical Properties	
Horizontal Field of View @ Max Sensor Format: 165.5mm - 49.1°	
Field of View at Max Sensor Format: Horizontal: 127.1mm - 32.3° Vertical: 94mm - 24.3° Diagonal: 162.2mm - 40.3°	
Horizontal Field of View, 1.1" Sensor: 127.1mm - 32.3°	
Horizontal Field of View, 1" Sensor: 114.9mm - 29.4°	
Horizontal Field of View, 2/3" Sensor: 77.9mm - 32.3°	
Horizontal Field of View, 1/1.8" Sensor: 63.5mm - 16.6°	
Horizontal Field of View, 1/2" Sensor: 56.4mm - 14.8°	
Horizontal Field of View, 1/2.5" Sensor: 51.0mm - 13.4°	
Horizontal Field of View, 1/3" Sensor: 42.2mm - 11.1°	
Horizontal Field of View, 1/4" Sensor: 31.5mm - 8.3°	
17.60	Maximum Image Circle (mm):
0.02	Numerical Aperture NA, Object Side:
9 (6)	Number of Elements (Groups):
25.00	Focal Length FL (mm):
150 - ∞	Working Distance (mm):
f/2.8	Aperture (f/#):
λ/4 MgF ₂	Coating:
λ/4 MgF ₂	Coating Specification:
52.38	Entrance Pupil Position (mm):
72.02	Object Space Principal Plane (mm):
4.02	Image Space Principal Plane (mm):
-2.93	Maximum Distortion (%):
-107.78	Exit Pupil Position (mm):
VIS	Lens Wavelength Range:
Sensor	

1.1"	Maximum Sensor Format:
Threading & Mounting	
M62 x0.75 (Female)	Filter Thread:
C-Mount	Mount:
Environmental & Durability Factors	
-20 to +60	Storage Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

PRODUCT DETAILS

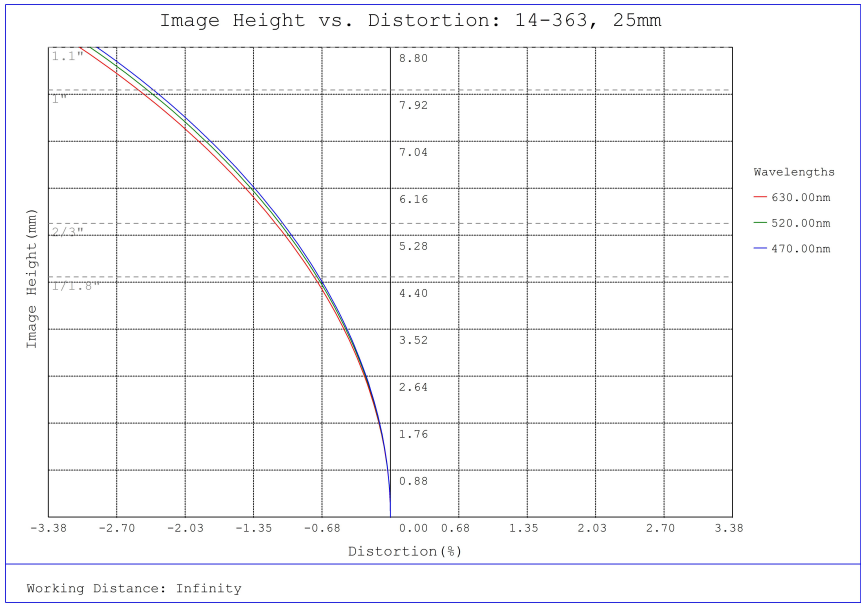
- 1.1" Sensor, C-Mount Lens, up to 12 MegaPixels, 3.45µm Pixel Size Sensor
- Integrated Liquid Lens Allows for Dynamic Autofocus
- Liquid Tunable (LT) Lens Maximizes the Liquid Lens Capabilities for Resolution, Range and Focus Speed
- 12 to 25mm Focal Length

TECHSPEC® LT Series Fixed Focal Length Lenses feature a high-resolution f/2.8 optical design with an integrated Optotune liquid lens for fast electronic focus. The increased light throughput f/2.8 aperture is ideal for high-speed machine vision applications. When combined with an appropriate camera and software, the focus tunable liquid lens provides the active focus control needed to achieve an autofocus solution. These C-Mount lenses are optimized for 1.1" sensors and have front filter threading to integrate imaging filters to meet application requirements. TECHSPEC® LT Series Fixed Focal Length Lenses are ideal for machine vision and factory automation applications where focusing at multiple distances is required, such as quality inspection systems, rapid automation, and package sorting. The TECHSPEC® LT Series Fixed Focal Length Lenses won the [Gold-Level 2021 Vision Systems Design Innovators Award](#) and [third place 2021 reader's choice inspect Award](#).

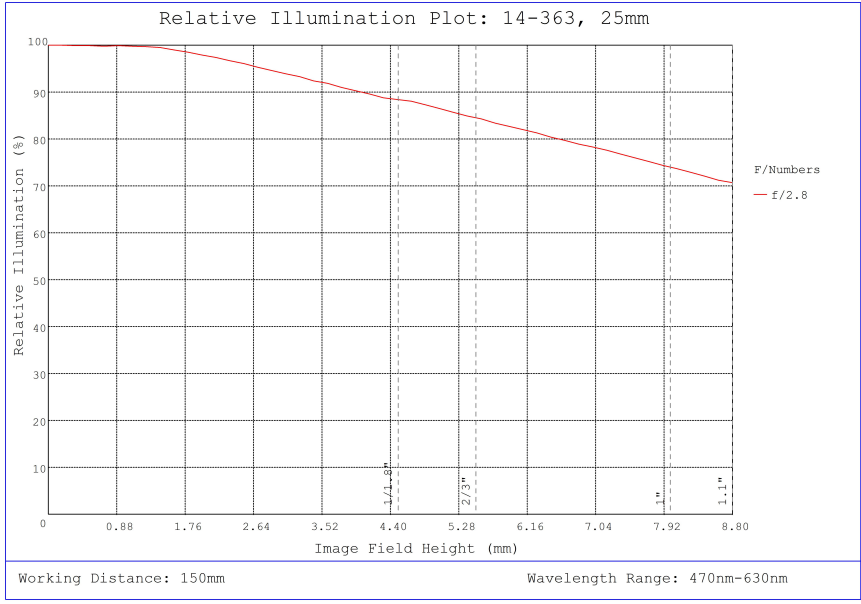


Note: Hirose cables (2 length options) and Lens Driver are required for operation and sold separately.

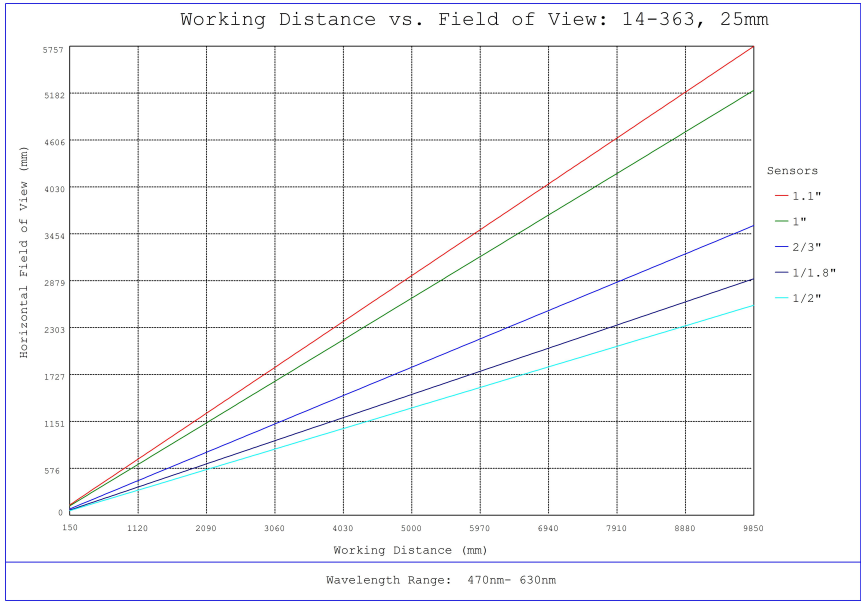
TECHNICAL INFORMATION



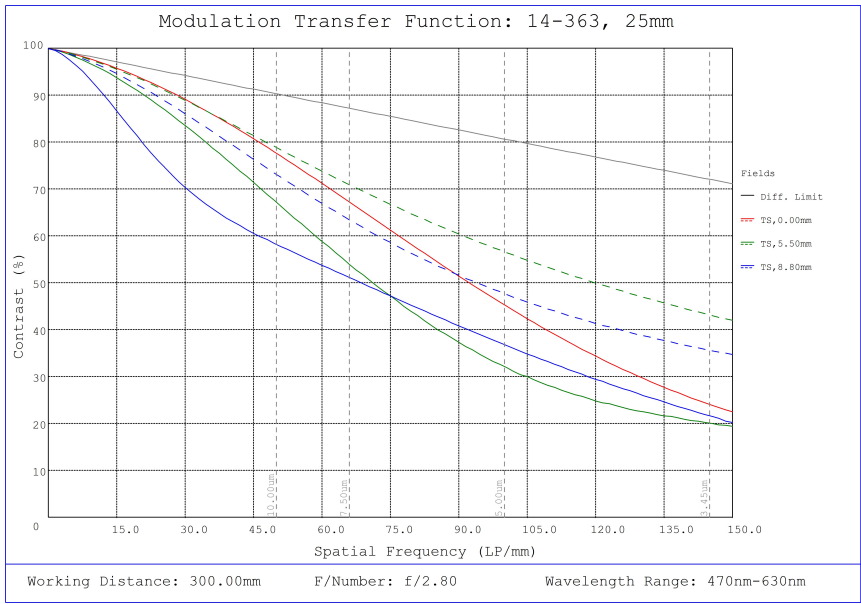
#14-363, 25mm LT Series Fixed Focal Length Lens, Distortion Plot



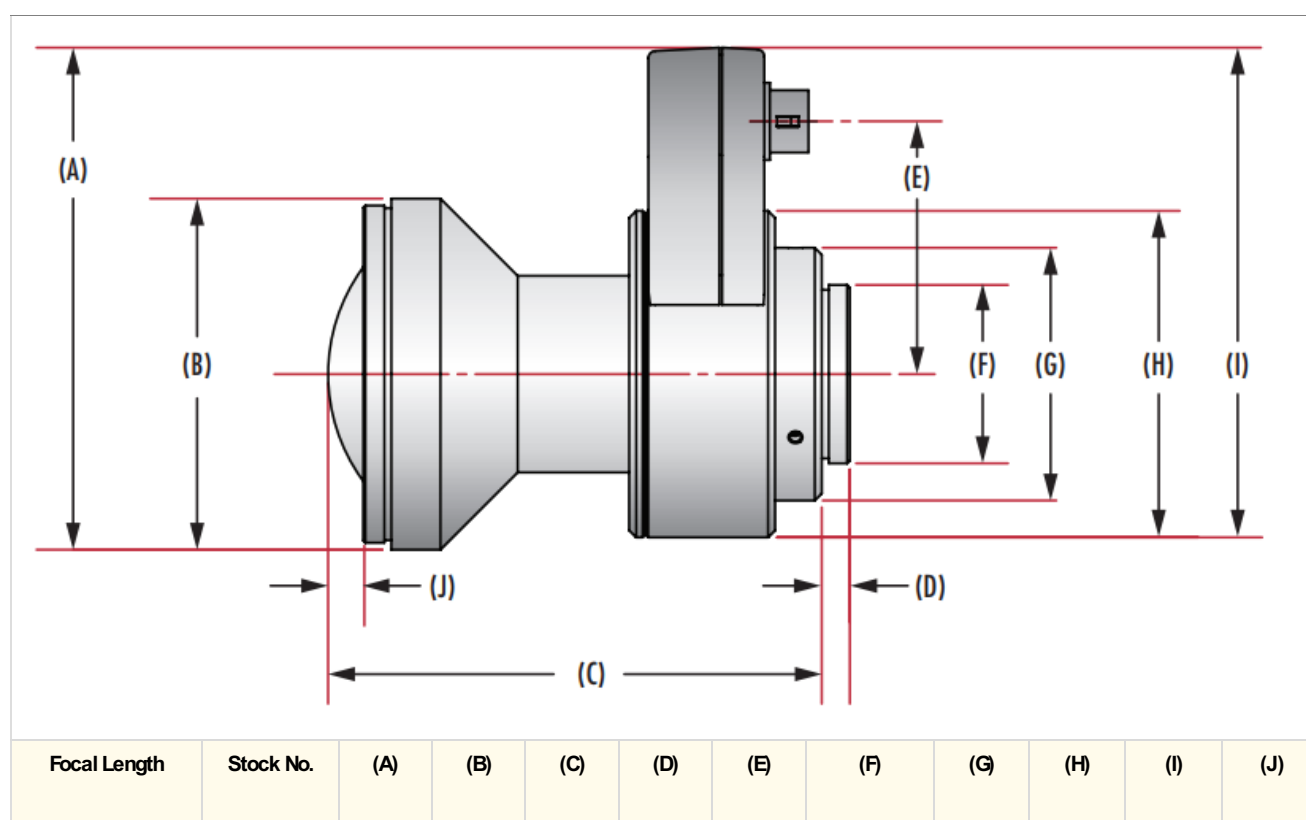
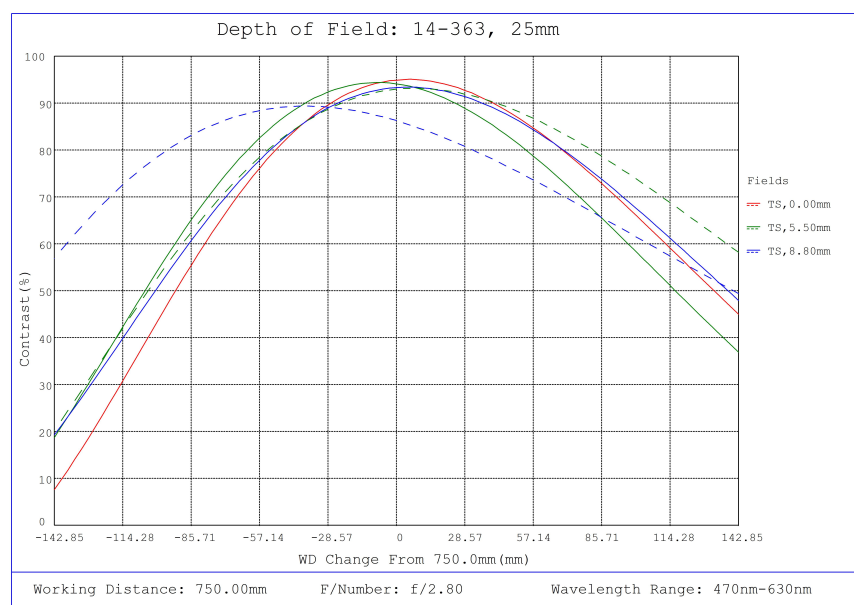
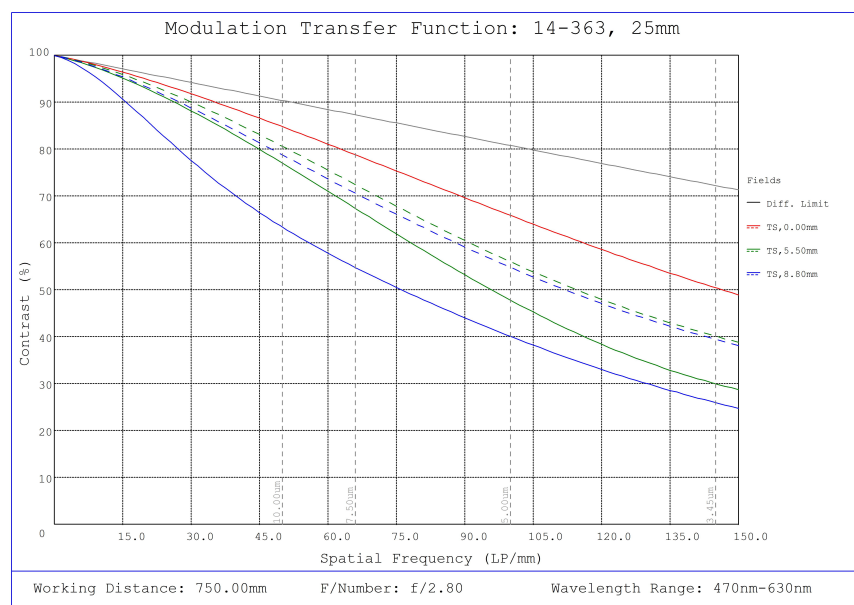
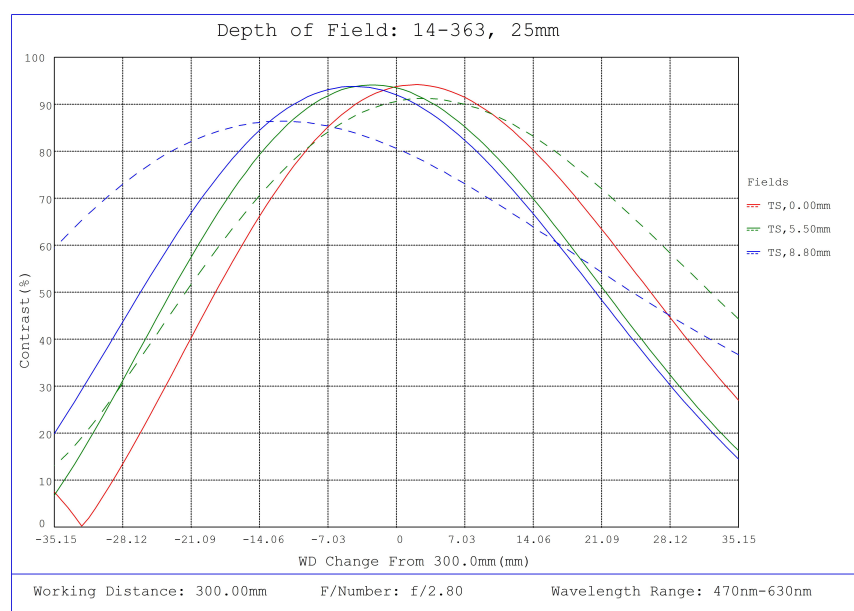
#14-363, 25mm LT Series Fixed Focal Length Lens, Relative Illumination Plot



#14-363, 25mm LT Series Fixed Focal Length Lens, Working Distance versus Field of View Plot



#14-363, 25mm LT Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 300mm Working Distance, f2.8



12mm	#14-361	71.5	50.0	70.3	4.0	36.0	C-Mount	36.0	46.5	69.75	5.01
16mm	#14-362	75.0	57.0	85.1	4.0	36.0	C-Mount	34.5	47.0	70.0	-
25mm	#14-363	78.5	64.0	95.5	4.0	36.0	C-Mount	40.0	47.0	70.0	-

COMPATIBLE CAMERAS

