

TECHSPEC[®] 25mm Focal Length, UAV Series Fixed Focal Length Lens



TECHSPEC[®] UAV Series Fixed Focal Length Lenses



Stock **#22-837** **5 In Stock**

-

1

+

C\$1,442⁰⁰

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SPECIFICATIONS

General

UAV Series

Series:

Fixed Focal Length Lens

Type:

Infinite Conjugate

Imaging Lens Type:

Physical & Mechanical Properties	
Variable	Iris Option:
64.46	Length (mm):
35.0	Maximum Diameter (mm):
35	Outer Diameter (mm):
115	Weight (g):
6.6	Maximum Rear Protrusion (mm):
59.10	Maximum Length (mm):
57.86	Minimum Length (mm):

Optical Properties	
32.4°	Horizontal Field of View @ Max Sensor Format:
32.4°	Horizontal Field of View, 1.2" Sensor:
39.0°	Horizontal Field of View, 1.1" Sensor:
35.5°	Horizontal Field of View, 1" Sensor:
24.5°	Horizontal Field of View, 2/3" Sensor:
20.1°	Horizontal Field of View, 1/1.8" Sensor:
19.30	Maximum Image Circle (mm):
0.00091	Numerical Aperture NA, Object Side:
9 (7)	Number of Elements (Groups):
425 - 675	Wavelength Range (nm):
25.00	Focal Length FL (mm):
500 - ∞	Working Distance (mm):
FOV @ Max Sensor Format, H x V (mm): Horizontal: 32.4° Vertical: 28.0° Diagonal: 42.5°	
f/2.8 - f/16	Aperture (f/#):
425 - 675 BBAR	Coating:
425 - 675 BBAR	Coating Specification:
27.485	Entrance Pupil Position (mm):
-32.50	Object Space Principal Plane (mm):
-24.58	Image Space Principal Plane (mm):
3.1	Maximum Distortion (%):
-30.434	Exit Pupil Position (mm):
VS	Lens Wavelength Range:

Sensor	
1.2"	Maximum Sensor Format:
2.74	Pixel Size (μm):

Threading & Mounting	
M34 x 0.50 (Male)	Filter Thread:

M34.0 x0.50	Front Thread:
C-Mount	Mount:
Environmental & Durability Factors	
Storage Temperature (°C): -20 to +60 For questions regarding operating temperature please contact our support team	
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

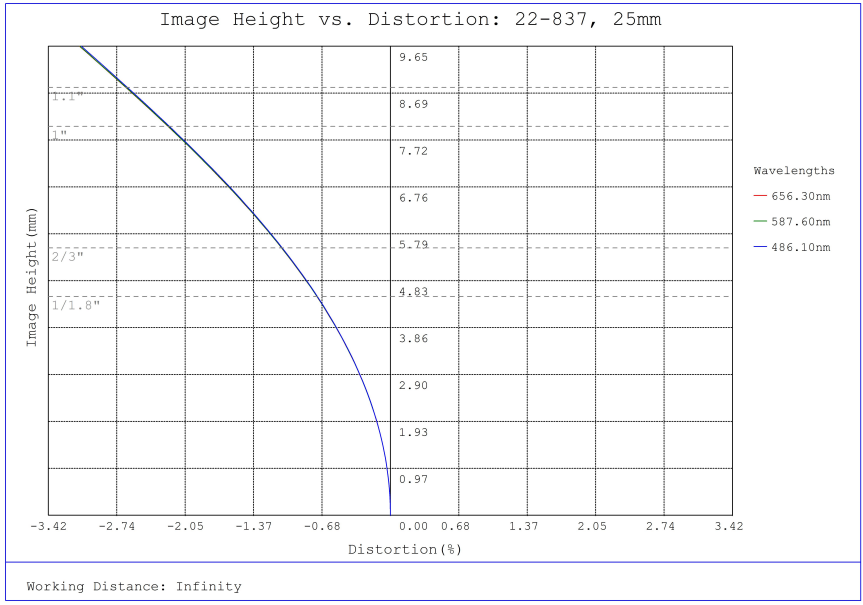
PRODUCT DETAILS

- Compact, Infinite Conjugate Lens Ideal for Photogrammetry
- 8mm, 12mm, 16mm, 25mm, and 35mm Focal Lengths
- 1.2", C-Mount Lens
- Up to 24.4 MegaPixels, 2.7µm Pixel Size Sensors

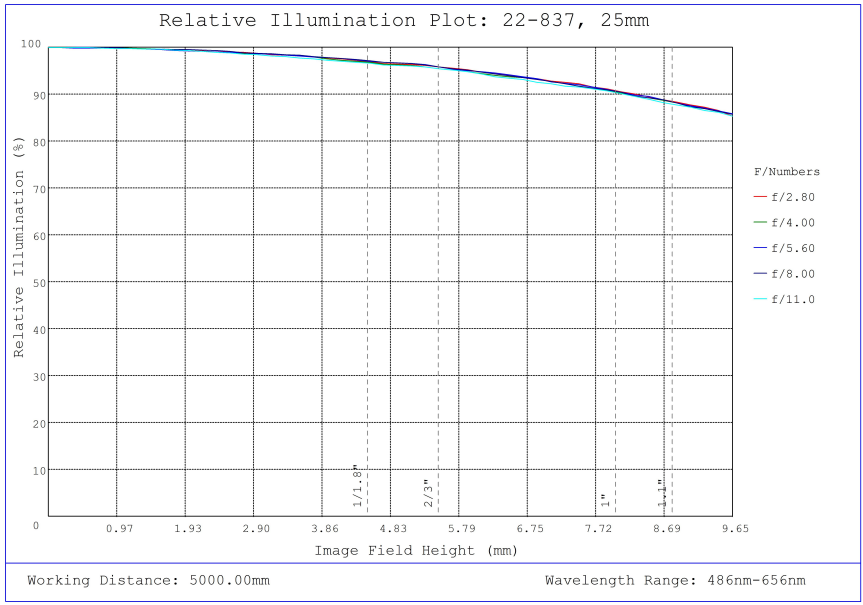
TECHSPEC® UAV Series Fixed Focal Length Lenses are compact, lightweight infinite conjugate lenses designed for the 4th Generation Sony Pregius 1.2" IMX530 and IMX540 sensors for mounting on autonomous vehicles and drones. These lenses are designed with a low Ground Separation Distance (GSD) to enable accurate survey results, and are available in 8mm, 12mm, 16mm, 25mm, and 35mm focal length options. The f/2.8 aperture provide increased light throughput and high-resolution performance. TECHSPEC® UAV Series Fixed Focal Length Lenses are C-Mount and feature a locking focus and iris rings to prevent unwanted adjustments, as well as a front filter thread for integrating standard [optical filters](#). These lenses are ideal for Drone Mapping and Surveying, Aerial Imaging, and Photogrammetry applications.

Note: Call for OEM Quantity and Pricing

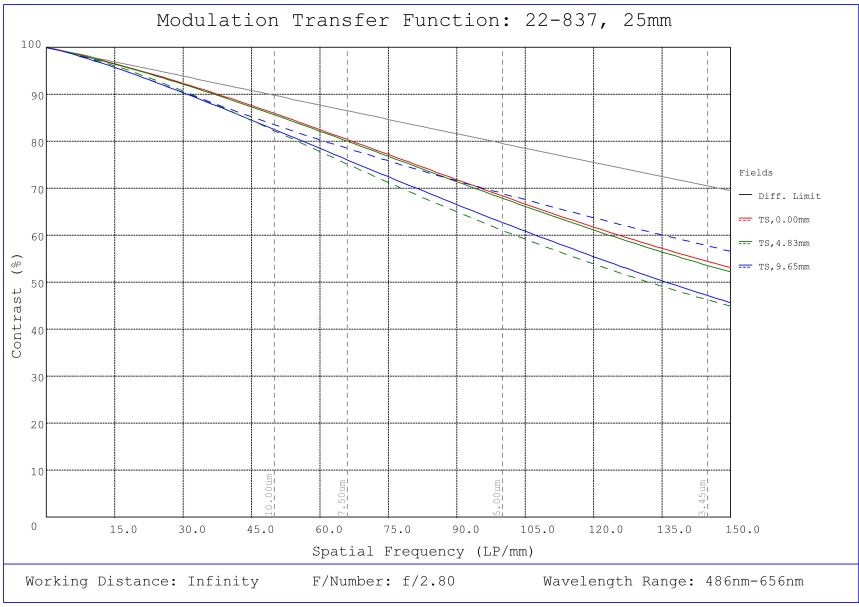
TECHNICAL INFORMATION



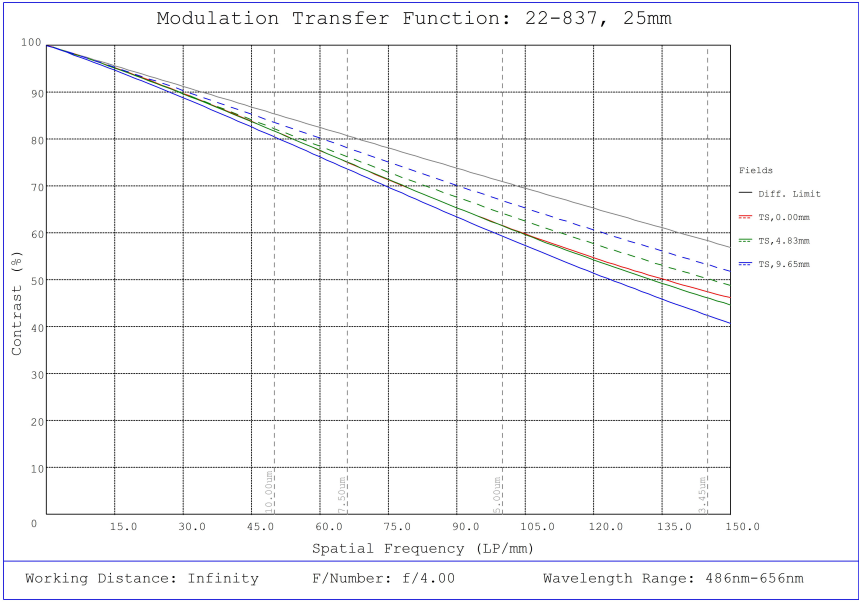
#22-837 - 25mm Focal Length, UAV Series Fixed Focal Length Lens, Distortion Plot



#22-837 - 25mm Focal Length, UAV Series Fixed Focal Length Lens, Relative Illumination Plot



#22-837 - 25mm Focal Length, UAV Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, Infinity Working Distance, f2.8



#22-837 - 25mm Focal Length, UAV Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, Infinity Working Distance, f4