

TECHSPEC® 35mm Focal Length, UAV Series Fixed Focal Length Lens



TECHSPEC® UAV Series Fixed Focal Length Lenses



Stock #22-838 17 In Stock

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1

+

£716^{.00}

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Volume Pricing	
Qty 1+	£716.00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

UAV Series	Series:
Fixed Focal Length Lens	Type:

Infinite Conjugate	Imaging Lens Type:
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Physical & Mechanical Properties

Iris Option:

Variable	
Length (mm):	62.76
Outer Diameter (mm):	38.8
Weight (g):	110
Maximum Rear Protrusion (mm):	4.0
Maximum Length (mm):	62.76

Optical Properties

Horizontal Field of View @ Max Sensor Format:	23.7°
Horizontal Field of View, 1.2" Sensor:	23.7°
Horizontal Field of View, 1.1" Sensor:	28.4°
Horizontal Field of View, 1" Sensor:	25.9°
Horizontal Field of View, 2/3" Sensor:	17.9°
Horizontal Field of View, 1/1.8" Sensor:	14.7°
Maximum Image Circle (mm):	19.30
Numerical Aperture NA, Object Side:	0.00124
Number of Elements (Groups):	8 (6)
Wavelength Range (nm):	425 - 675
Focal Length FL (mm):	35.00
Working Distance (mm):	500 - ∞
FOV @ Max Sensor Format, H x V (mm): Horizontal: 23.7° Vertical: 20.5° Diagonal: 31.1°	
Aperture (f/#):	f/2.8 - f/16
Coating:	425 - 675 BBAR
Coating Specification:	425 - 675 BBAR
Entrance Pupil Position (mm):	34.468
Object Space Principal Plane (mm):	-36.97
Image Space Principal Plane (mm):	-36.73
Maximum Distortion (%):	1
Exit Pupil Position (mm):	-34.396
Lens Wavelength Range:	VIS

Sensor

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

Threading & Mounting

Filter Thread:	M37.0 x0.75 (Male)
Front Thread:	M37.0 x0.75

Mount:	C-Mount
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Environmental & Durability Factors

Storage Temperature (°C):	
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Regulatory Compliance

Certificate of Conformance:

[View](#)

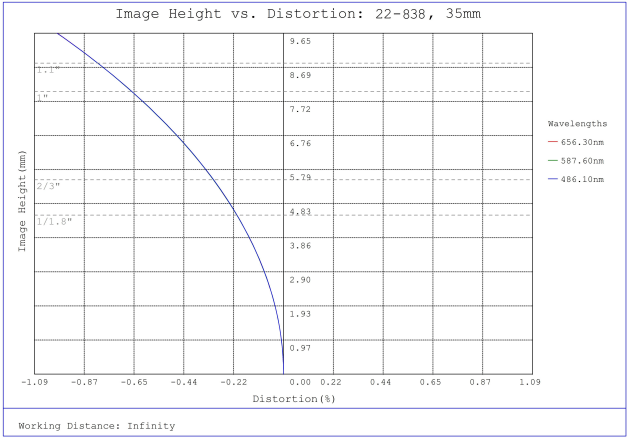
Product Details

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

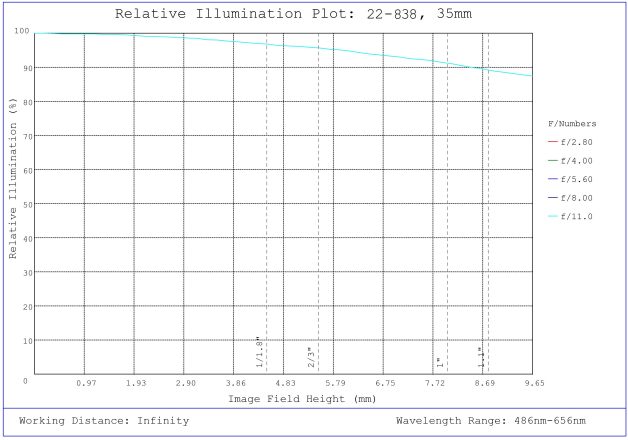
TECHSPEC® UAV Series Fixed Focal Length Lenses are compact, lightweight infinite conjugate lenses designed for the 4th Generation Sony Pregius 1.2" IMX530 and IMX540 sensors for mounting on autonomous vehicles and drones. These lenses are designed with a low Ground Separation Distance (GSD) to enable 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

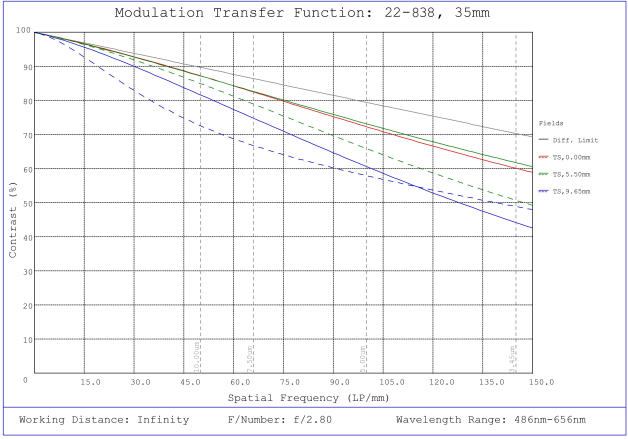
Technical Information



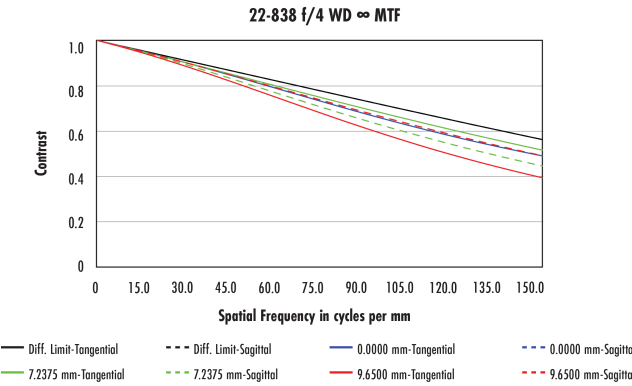
#22-838 - 35mm Focal Length, UAV Series Fixed Focal Length Lens, Distortion Plot



#22-838 - 35mm Focal Length, UAV Series Fixed Focal Length Lens, Relative Illumination Plot



#22-838 - 35mm Focal Length, UAV Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, Infinity Working Distance, f2.8



#22-838 - 35mm Focal Length, UAV Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, Infinity Working Distance, f4

