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TECHSPEC®

35mm FL f/2.5, Blue Series M12 Lens



Stock **#70-644** **12 In Stock**

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1

+

C\$201⁰⁰

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Volume Pricing	
Qty 1-49	C\$201.60 each
Qty 50+	C\$158.20 each
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Product Downloads

General	
Blue Series	Product Family:
Required Accessories: #63-956 and #64-102	Note:
M12 Imaging Lens	Type:
	IR Cut Filter:

No	
Imaging Lens Type: High Performance M12 Lens	
Physical & Mechanical Properties	
Iris Option: Fixed	
Length (mm): 29.50	
Maximum Diameter (mm): 18.0	
Outer Diameter (mm): 18	
Optical Properties	
Horizontal Field of View @ Max Sensor Format: 11.6°	
Horizontal Field of View, 1/1.8" Sensor: 11.6°	
Horizontal Field of View, 1/2" Sensor: 10.4°	
Horizontal Field of View, 1/2.5" Sensor: 9.4°	
Horizontal Field of View, 1/3" Sensor: 7.8°	
Horizontal Field of View, 1/4" Sensor: 5.8°	
Maximum Image Circle (mm): 9.00	
Numerical Aperture NA, Object Side: 0.024	
Number of Elements (Groups): 6(5)	
Wavelength Range (nm): 400 - 700	
Focal Length FL (mm): 35.00	
Working Distance (mm): 150 - ∞	
Aperture (f/#): f/2.5	
Distortion (%): 0.08 @ Full Field	
Back Focal Length BFL (mm): 18.72-8.41	
Coating Specification: N/4 MgF ₂ @ 550nm	
Entrance Pupil Position (mm): 38.88439	
Object Space Principal Plane (mm): 3.13	
Image Space Principal Plane (mm): -40.60	
Maximum Distortion (%): -0.08	
Exit Pupil Position (mm): -22.91602	
Lens Wavelength Range: VIS	
Sensor	
Maximum Sensor Format: 1/1.8"	
Pixel Size (µm): 1.40	
Threading & Mounting	
Filter Thread: N/A	
Mount: S-Mount (M12 x0.5)	
Regulatory Compliance	
RoHS 2015:	

Compliant	
View	Certificate of Conformance:
Compliant	Reach 247:

Product Details

- Up to 1/2", S-Mount Lens
- Up to 5 MegaPixels, 1.4µm Pixel Size Sensors
- High Resolution Board Camera Lens Optimized for Close WD
- 2mm to 35mm Focal Length
- **Ruggedized Designs** Also Available

TECHSPEC® Blue Series M12 Lenses feature high resolution performance, along with the same great versatility of our **TECHSPEC® Green Series M12 Lenses**. Each lens consists of several precision glass elements mounted in a compact, aluminum housing. These lenses can connect to C-Mount cameras using the M12 x0.5 Adapter for C-Mount Cameras (**#53-675**) or the M12 x0.5 C-Mount Adapter with Rubber O-Ring (**#59-241**) for vibration-sensitive environments. TECHSPEC® Blue Series M12 Lenses are ideal for automotive, industrial, and medical imaging application. Prescription data is available by submitting a **Request for Prescription Form**.

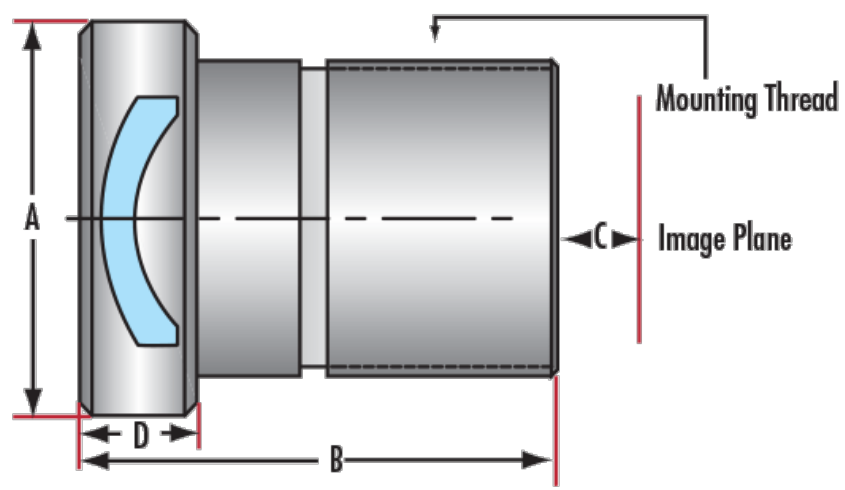
Note: Compatible **TECHSPEC® M12 Imaging Lens Accessories** available.

Edmund Optics has created multiple product families of our TECHSPEC® M12 S-Mount Lenses, which are designed to provide high resolution. These high performance lenses feature precision glass designs in a metal housing and have optimized specifications between each product family to meet your application needs.

- Blue Series M12 Lenses: High resolution finite conjugate designs optimized for machine vision working distances.
- **Rugged Blue Series M12 Lenses:** **Stabilized ruggedization** versions of our Blue Series M12 Lenses, utilizing the same optics.
- **Green Series M12 Lenses:** Finite conjugate designs optimized for machine vision working distances.
- **Red Series M12 Lenses:** Infinite conjugate designs optimized for high resolution performance out to infinity.
- **HEO Series M12 Lenses:** Harsh Environment Optics (HEO) sealed versions of our Red Series M12 Lenses.
- **Liquid Lens M12 Lenses:** Integrated liquid lens for fast electronic focus.

Technical Information

Focal Length	A	B	C*	D
2.0mm	18.0mm	21.7mm	2.26mm	4.75mm
3.0mm	14.0mm	17.1mm	4.8 - 4.7mm	5.8mm
4.0mm	14.0mm	19.7mm	6.1 - 6.0mm	4.4mm
5.0mm	14.0mm	14.6mm	4.0 - 3.9mm	3.7mm
6.0mm	14.0mm	14.1mm	6.9 - 6.8mm	4.5mm
8.0mm	14.0mm	12.3mm	8.8 - 8.6mm	3.7mm
10.0mm	14.0mm	17.0mm	6.6 - 6.3mm	3.7mm
12.5mm	15.0mm	22.9mm	10.1 - 9.7mm	4.8mm
17.5mm	14.0mm	20.7mm	5.8 - 4.9mm	7.6mm
25.0mm	18.0mm	30.0mm	8.5 - 6.5mm	11.5mm
35.0mm	18.0mm	29.5mm	18.72 - 14.0mm	14.5mm



*Specified for Optimized Working Distance of 150 - 250mm.

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