

TECHSPEC[®] 5mm FL f/2.5, Blue Series IR-Cut M12 Lens



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₹7,395

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General	
Blue Series	Series:
M12 Imaging Lens	Type:
Yes	IR Cut Filter:
IR-Cut Filter	Special Type of Lens:

Physical & Mechanical Properties	
Fixed	Iris Option:
14.60	Length (mm):
14	Maximum Diameter (mm):
14	Outer Diameter (mm):
4	Weight (g):

Optical Properties	
57.3°	Horizontal Field of View @ Max Sensor Format:
Horizontal: 165.7mm - 57.3° Vertical: 117.5mm - 42.3° Diagonal: 225.4mm - 73.4°	Field of View at Max Sensor Format:
165.5mm - 57.3°	Horizontal Field of View, 1/3" Sensor:
117.5mm - 42.3°	Horizontal Field of View, 1/4" Sensor:
6.00	Maximum Image Circle (mm):
0.0065	Numerical Aperture NA, Object Side:
6(5)	Number of Elements (Groups):
400 - 700	Wavelength Range (nm):
5.00	Focal Length FL (mm):
150 - ∞	Working Distance (mm):
f/2.5	Aperture (f/#):
-18.88 @ Full Field	Distortion (%):
4.0 - 3.9	Back Focal Length BFL (mm):
M4 MgF ₂ @ 550nm	Coating Specification:
2.74	Entrance Pupil Position (mm):
5.94	Object Space Principal Plane (mm):
2.53	Image Space Principal Plane (mm):
-18.88	Maximum Distortion (%):
-6.51	Exit Pupil Position (mm):
VS (IR-Cut Filter)	Lens Wavelength Range:

Sensor	
1/3"	Maximum Sensor Format:
1.40	Pixel Size (µm):

Threading & Mounting	
N/A	Filter Thread:
S-Mount (M12 x0.5)	Mount:

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:

Reach 247:	
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- 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

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

- **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.

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



