

TECHSPEC® 8mm FL, Liquid Lens M12 Lens



TECHSPEC® Liquid Lens M12 Imaging Lenses



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Note: This item requires accessories for use | [Learn More](#)

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Length (mm):
28.40

Horizontal Field of View, 1/2" Sensor:
140.1mm - 46.1°

Maximum Diameter (mm):
18

Outer Diameter (mm): 23.0
Horizontal Field of View, 1/3" Sensor: 102.3mm - 34.5°
Maximum Rear Protrusion (mm): 4.79
Maximum Image Circle (mm): 8.00
Numerical Aperture NA, Object Side: 0.0102
Horizontal Field of View @ Max Sensor Format: 140.1mm - 46.1°
Range Distance (mm): 14.025
Number of Elements (Groups): 7(6)
Note: Separate driver not included. Electronic development kit #17-123 recommended. When using a Maxim driver board (#12-247, #12-248, or #17-172) the jumper at ST2 must be removed before use to ensure optimal performance and product lifetime. Watch this video for more information.
Wavelength Range (nm): 400 - 700
Horizontal Field of View, 1/2.5" Sensor: 125.53mm - 41.8°
Type: M12 Imaging Lens
Focal Length FL (mm): 8.00
Primary Magnification PMAG: 0.051X
Maximum Sensor Format: 1/2"
Working Distance (mm): 150 - ∞
Mount: M12 x 0.5 (S-Mount)
Aperture (f#): f/2.4
Distortion (%): -9.51 @ Full Field
Coating Specification: λ/4 MgF ₂ @ 550nm
Entrance Pupil Position (mm): 13.56
Horizontal Field of View, 1/4" Sensor: 75.6mm - 25.8°
Object Space Principal Plane (mm): 19.92
Image Space Principal Plane (mm): 1.93
Field of View at Max Sensor Format: Horizontal: 139.8mm - 46° Vertical: 102mm - 34.4° Diagonal: 181.4mm - 57.8°
Integrated Liquid Lens Model: Corning® Varioptic® A-39N0
IR Cut Filter: No
Exit Pupil Position (mm): -28.40
Lens Wavelength Range: VIS

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View