

3mm FL, f/4, Low Distortion M12 Lens



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Stock **#75-200** NEW **1 In Stock**

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1

+

C\$373⁰⁰

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Volume Pricing	
Qty 1+	C\$373.80 each
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Product Downloads

General

	Product Family:
Ultra Low Distortion Wide Angle Lenses	
	Imaging Lens Type:
M12 Imaging Lens	

Physical & Mechanical Properties

	Iris Option:
Fixed	
	Length (mm):
22.28	

16.0	Maximum Diameter (mm):
16.0	Outer Diameter (mm):
6	Weight (g):
22.28	Maximum Length (mm):

Optical Properties

76.9°	Horizontal Field of View @ Max Sensor Format:
Horizontal: 76.9° Vertical: 61.6° Diagonal: 89.6°	Field of View at Max Sensor Format:
7.20	Maximum Image Circle (mm):
3.00	Focal Length FL (mm):
100 - ∞	Working Distance (mm):
f/4	Aperture (f/#):
-0.02	Maximum Distortion (%):
-53.1	Exit Pupil Position (mm):
VIS	Lens Wavelength Range:

Sensor

1/2.5"	Optimized Sensor Format:
1/2.5"	Maximum Sensor Format:

Threading & Mounting

S-Mount (M12 x0.5)	Mount:
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Environmental & Durability Factors

-20 to +60	Storage Temperature (°C):
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Regulatory Compliance

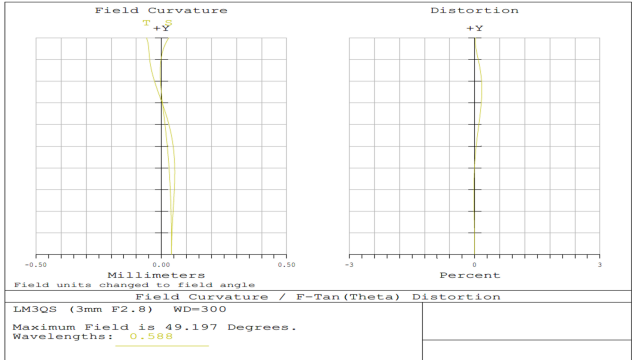
View	Certificate of Conformance:
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Product Details

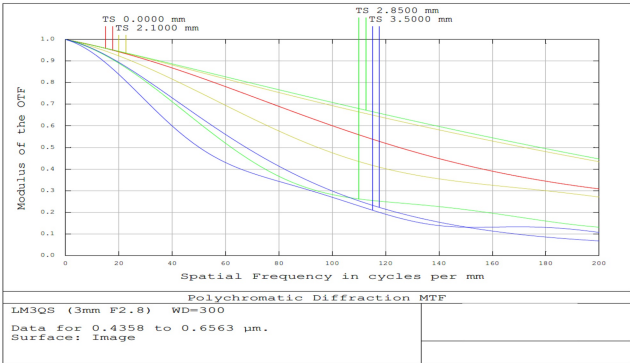
- Distortion as low as -0.02%
- Up to 1/1.8", S-Mount Options
- 1.7mm - 5mm Focal Lengths

Ultra Low Distortion Wide Angle Lenses are designed to achieve less than -0.02% distortion over a 76.9° field of view, less than -0.32% distortion over a 109.1° field of view, or less than -0.51% distortion over a 59.8° field of view. The ultra-low distortion values of these lenses ensure imaging with straight lines and natural object shapes, helping to reduce post-processing requirements. These lenses offer high transmission from the VIS to NIR and are available in focal lengths of 1.70, 3.00, and 5.00mm. Ultra Low Distortion Wide Angle Lenses' low focal lengths allow for capturing more of the scene in a single frame. These lenses are ideal for surveillance, security, robotics, drive assistance systems, and [factory automation applications](#).

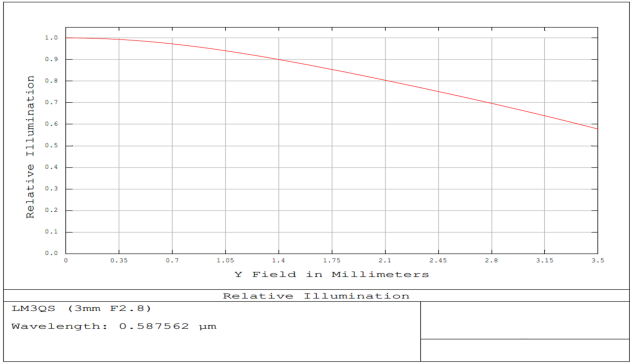
Technical Information



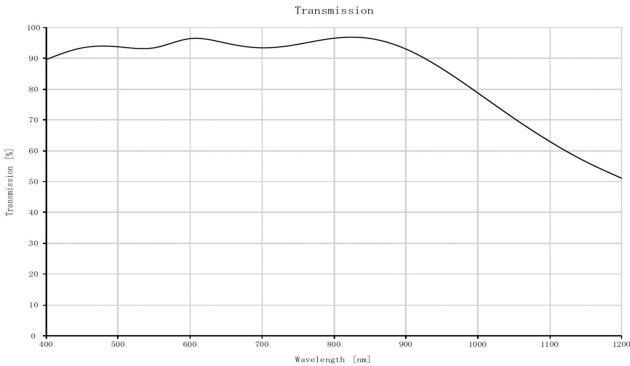
3mm FL, f/4, Low Distortion M12 Lens, Distortion Plot



3mm FL, f/4, Low Distortion M12 Lens, MTF Plot



3mm FL, f/4, Low Distortion M12 Lens, Relative Illumination Plot



3mm FL, f/4, Low Distortion M12 Lens, Transmission Plot