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## 4.7mm Focal Length Lens, 1" Sensor Format



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Stock #75-217 **NEW** **2 In Stock**

⊖ 1 ⊕ **\$2,231<sup>00</sup>**

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### Product Downloads

#### General

**Product Family:**  
1" Format Fixed Focal Length Lenses

**Type:**  
Fixed Focal Length Lens

#### Physical & Mechanical Properties

**Iris Option:**  
Variable

**Length (mm):**  
64.70

Maximum Diameter (mm):

71.0

Weight (g):

360

## Optical Properties

Horizontal Field of View, 1" Sensor:

112.2°

Maximum Image Circle (mm):

16.00

TV Distortion (%):

-0.58

Focal Length FL (mm):

4.70

Working Distance (mm):

100 - ∞

Aperture (f/#):

f/2.4 - f/11

Maximum Distortion (%):

-0.58

Lens Wavelength Range:

VS

Wavelength:

VS

## Sensor

Maximum Sensor Format:

1"

Pixel Size (µm):

5.00

## Threading & Mounting

Filter Thread:

None

Mount:

C-Mount

## Regulatory Compliance

Certificate of Conformance:

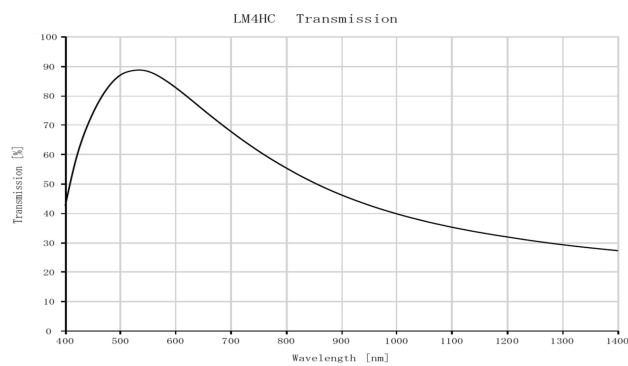
[View](#)

## Product Details

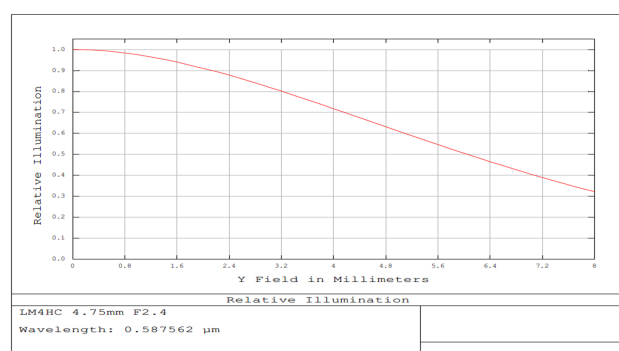
- Up to 1", C-Mount Lens
- "Fast" Lenses for Increased Throughput
- 4.7mm to 75mm Focal Length

1" Format Fixed Focal Length Lenses provide high throughput and high resolution across the entire camera sensor, allowing for excellent imaging even in less-than-ideal lighting conditions. Offered in 9 focal lengths from 4.7mm to 75mm, this complete family covers many of the applications in the market today. Engineered to minimize distortion, these lenses provide a perfect image for a human operator or an automated system. 1" Format Fixed Focal Length Lenses also feature a standard C-Mount lens mount for easy integration with the most common machine vision [cameras](#) we offer. All lenses feature front filter threading to attach to your choice of [optical filter](#).

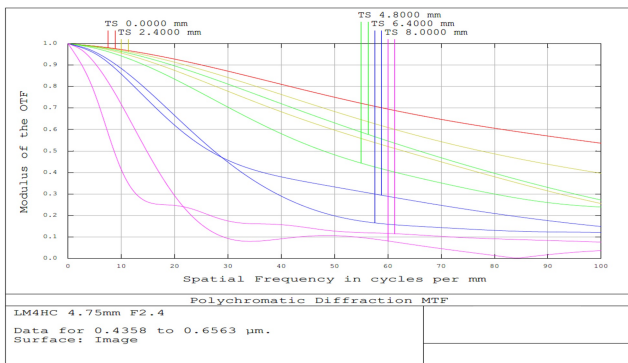
## Technical Information



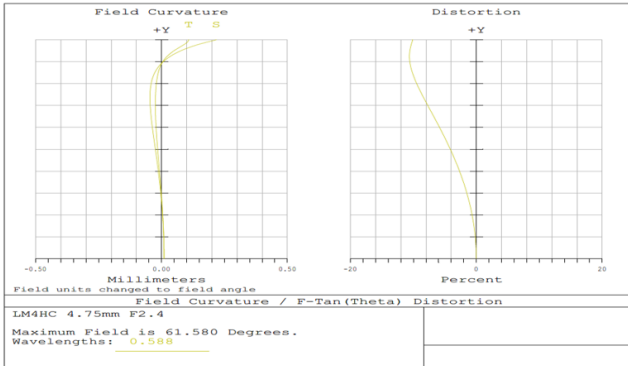
#75-217, 4.7mm Focal Length Lens, 1" Sensor Format, Transmission Plot



#75-217, 4.7mm Focal Length Lens, 1" Sensor Format, Relative Illumination Plot



#75-217, 4.7mm Focal Length Lens, 1" Sensor Format, MTF Plot



#75-217, 4.7mm Focal Length Lens, 1" Sensor Format, Distortion Plot