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8mm Focal Length, Prism Optimized Fixed Focal Length Lens

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£1,036.00

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General

Product Family:
Prism Optimized Fixed Focal Length Imaging Lenses

Model Number:
JVS-C118-0824-C3

Imaging Lens Type:
Fixed Focal Length Lens

Physical & Mechanical Properties

Iris Option:

Variable

Length (mm):
58.00

Maximum Diameter (mm):
37.00

Maximum Rear Protrusion (mm):
4.00

Optical Properties

Maximum Image Circle (mm):
9.00

TV Distortion (%):
-0.86

Focal Length FL (mm):
8.00

Working Distance (mm):
100 - ∞

Aperture (f/#):
2.4

Wavelength:
VIS-NIR

Sensor

Maximum Sensor Format:
1/1.8"

Pixel Size, H x V (µm):
3.45 x 3.45

Pixel Size (µm):
3.45

Threading & Mounting

Filter Thread:
M30.0 x 0.5

Mount:
C-Mount

Regulatory Compliance

Certificate of Conformance:
View

Product Details

- Designed for use with Multi Sensor Cameras
- Available with Focal Lengths of 6, 8, 12, and 16mm
- C-Mount Compatible with Low Distortion over a Broad Working Distance Range

Prism Optimized Fixed Focal Length Imaging Lenses are designed to utilize the full benefits of prism technology by compensating for the different optical paths and focusing characteristics of multi-sensor cameras. These cameras separate incoming light into multiple channels, with pixel-precise alignment regardless of motion or viewing angle. By directing specific wavelengths to optimized sensors, prism-optimized lenses deliver sharper, higher-quality images with better color fidelity than standard imaging lenses. Prism Optimized Fixed Focal Length Imaging Lenses are designed to be used with multi-sensor cameras such as the **JAI Apex Series** or the **JAI Fusion Series**. These lenses are ideal for applications requiring exceptional color accuracy, precise spatial resolution, and simultaneous imaging across multiple spectral bands.

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