25mm MPT Series 1.4", 45MP Fixed Focal Length Lens

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SPECIFICATIONS

General

Series:
Computar MPT Series Fixed Focal Length Lenses

Model Number:
F2524-MPT

Type:
Fixed Focal Length Lens

Physical & Mechanical Properties

Iris Option:
Manual Iris

Length (mm):
70.30

Outer Diameter (mm):
39

Weight (g):
152

Dimensions (mm):
39.0 x 70.3

Optical Properties

Horizontal Field of View, 1.2" Sensor:
32.7° x 28.5° (D 42.4°)

Horizontal Field of View, 1.1" Sensor:
31.8° x 23.6° (D 39.0°)

Maximum Image Circle (mm):
23.10

Focal Length FL (mm):
25.00

Working Distance (mm):
150 - ∞

Aperture (f/#):
f/2.6 - f/16

Distortion (%):
0.06

Maximum Distortion (%):
0.06

Lens Wavelength Range:
VIS

Sensor

Maximum Sensor Format:
1.4"

Resolution (Megapixels):
45.00

Pixel Size (µm):
2.74

Threading & Mounting

Filter Thread:
M34.0 x 0.75

Mount:
C-Mount

Environmental & Durability Factors

Operating Temperature (°C):
-10°C to +50°C

Regulatory Compliance

Certificate of Conformance:
View

PRODUCT DETAILS

- Ultra-Low Distortion
- Compatible with 45 MegaPixel, 1.4”, C-Mount Cameras
- Focal Lengths Ranging from 12mm – 50mm

Computar MPT Series Fixed Focal Length Lenses are engineered to provide a high 45 MegaPixel resolution while maintaining exceptionally low-distortion on large 1.4” imaging sensors such as the Sony IMX350. These lightweight, compact C-Mount lenses are available in focal lengths of 12mm, 16mm, 25mm, 35mm, and 50mm. Field curvature and astigmatism are corrected by positioning the high refractive index glass and low partial dispersion glass at crucial locations. Computar MPT Series Fixed Focal Length Lenses offer high-level aberration correction and precision alignment enabling extraordinary performance across the full 1.4” format sensor. These lenses are ideal for the use in machine vision, factory automation, and wide-area surveillance applications.