

TECHSPEC® 8mm Focal Length, HP Series Fixed Focal Length Lens



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Iris Option:
Variable

Length (mm):
90.46

Horizontal Field of View, 1/2" Sensor:
103.0mm - 44.1°

Horizontal Field of View, 2/3" Sensor:

143.8mm - 58.5°
Filter Thread: M105 x 1.00 with adapter #89-365
Maximum Diameter (mm): 70.4
Outer Diameter (mm): 70.4
Weight (g): 347
Horizontal Field of View, 1/3" Sensor: 76.6mm - 33.7°
Maximum Rear Protrusion (mm): 2.46
Horizontal Field of View, 1" Sensor: 215.2mm - 78.4°
Maximum Image Circle (mm): 17.60
Numerical Aperture NA, Object Side: 0.0174
Horizontal Field of View @ Max Sensor Format: 240.8mm - 83.9°
Horizontal Field of View, 1.1" Sensor: 240.8mm - 83.9°
Number of Elements (Groups): 10 (8)
Horizontal Field of View, 1/1.8" Sensor: 116.4mm - 49.1°
Front Thread: M70 x 0.5 (Male)
Horizontal Field of View, 1/2.5" Sensor: 93.0mm - 40.3°
Type: Fixed Focal Length Lens
Diameter (mm): -0.01
Focal Length FL (mm): 8.00
Primary Magnification PMAG: 0.064
Maximum Sensor Format: 1.1"
Working Distance (mm): 100 - ∞
Mount: C-Mount
Aperture (f/#): f/1.8 - f/16
Coating: N4 MgF ₂
Coating Specification: N4 MgF ₂
Entrance Pupil Position (mm): 28.16
Horizontal Field of View, 1/4" Sensor: 57.2mm - 25.5°
Object Space Principal Plane (mm): 34.63
Image Space Principal Plane (mm): 4.56
Field of View at Max Sensor Format: Horizontal: 238.5mm - 83.5° Vertical: 174.7mm - 68° Diagonal: 305.3mm - 94.8°
Maximum Distortion (%): -1.92
Maximum Length (mm): 83.5
Exit Pupil Position (mm): -28.8
Lens Wavelength Range: VIS
Imaging Lens Type: High Performance Lens

Storage Temperature (°C):
-20 to +60 For questions regarding operating temperature please contact our support team

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Reach 209:
[Compliant](#)

Certificate of Conformance:
[View](#)

