

TECHSPEC® 50mm f/2.8, HPi Series Fixed Focal Length Lens



50mm HPi Series Fixed Focal Length Lenses

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Horizontal Field of View, 1.2" Sensor:
26.6mm - 7.3°

Iris Option:
Fixed

Length (mm):
72.58

Horizontal Field of View, 1/2" Sensor:
26.6mm - 7.3°

Horizontal Field of View, 2/3" Sensor:
36.6mm - 10.1°

Filter Thread: M37.5 x0.50 (Female)
Maximum Diameter (mm): 40
Horizontal Field of View, 1/3" Sensor: 19.9mm - 5.5°
Maximum Rear Protrusion (mm): 0
Horizontal Field of View, 1" Sensor: 53.4mm - 14.6°
Maximum Image Circle (mm): 21.60
Numerical Aperture NA, Object Side: 0.0383
Horizontal Field of View @ Max Sensor Format: 72mm - 19°
Horizontal Field of View, 4/3" Sensor: 72mm - 19°
Horizontal Field of View, 1.1" Sensor: 59.3mm - 16.2°
Number of Elements (Groups): 7 (5)
Horizontal Field of View, 1/1.8" Sensor: 29.9mm - 8.2°
Horizontal Field of View, 1/2.5" Sensor: 24.1mm - 6.6°
Optimized Sensor Format: 1"
Type: Fixed Focal Length Lens
Focal Length FL (mm): 50.00
Primary Magnification PMAG: 0.241
Maximum Sensor Format: 4/3"
Working Distance (mm): 200 - ∞
Mount: C-Mount
Aperture (f/#): f/2.8
Coating: λ/4 MgF ₂
Coating Specification: λ/4 MgF ₂
Entrance Pupil Position (mm): 30.94
Horizontal Field of View, 1/4" Sensor: 14.9mm - 4.1°
Object Space Principal Plane (mm): 55.37
Image Space Principal Plane (mm): -27.42
Field of View at Max Sensor Format: Horizontal: 72.3mm - 19.6° Vertical: 54mm - 14.8° Diagonal: 90.8mm - 24.4°
Maximum Distortion (%): -0.21
Exit Pupil Position (mm): -75.19
Optimized Working Distance (mm): 200 - ∞
Lens Wavelength Range: VIS
Storage Temperature (°C): -20 to +60 For questions regarding operating temperature please contact our support team

Regulatory Compliance

RoHS: Compliant

