

Low F/#, HDR, Fovea Lens



Description

The DSL345 is an all-glass lens designed for 1/2" image formats. The low-ghost HDR design and low $f/\#$ combined with the all-glass construction makes this lens ideally suited for indoor or outdoor applications.

Key Features

- F/1.6
- All glass construction
- Environmental and thermal stability
- HDR-Optimized for low flare and ghost

Optical Specifications

Sunex PN DSL345	
Description	HDR, all glass
Imager Format	Up to 1/2"
Nominal Imager Resolution	Up to 3MP
Focal Length	6.14mm
Relative Aperture (F/#)	1.6
Image Circle	7.6mm @ 100°
Field of View	100° @ 7.6mm image circle 64° @ 5.76mm image circle
Total Track Length	24mm
Distortion	-48% f-tan theta
Chief Ray Angle	18.3° @ 7.6mm image circle
IR cut-off filter	700nm/NIR optional

Applications

- Automotive
- Computer Vision and Robotics
- Machine Vision

DSL345X-NIR-F1.6 Mechanical Dimensions [mm]:

