

HDR-Optimized Wide Lens



Description

The DSL591 is an all-glass, high-resolution, wide-angle lens designed for 1/1.8" format size. The design provides a maximum FOV of 184° at maximum image circle of 8.8mm. The compact size and thermal stability make this lens ideal for drone and other high-quality indoor/outdoor imaging applications.

Key Features

- HDR-Optimized design
- All-Glass Design for thermal stability
- Good low light performance: F/2.8 aperture
- Compact size

Optical Specifications

Sunex PN DSL591	
Description	HDR Wide Angle Lens
Imager Format	Up to 1/1.8"
Nominal Imager Resolution	5MP
Focal Length	2.98mm
Relative Aperture (F/#)	2.8
Image Circle	8.8mm
Field of View	183.5° at 8.8mm image circle 134° at 6.7mm image circle
Total Track Length	26.55mm
Distortion(F-theta)	-7.7% at 8.8mm image circle
Chief Ray Angle	8° at 8.0mm image circle, linear
IR cut-off filter	Optional 650nm IR cut off coating

Applications

- Drone cameras
- Security and Surveillance cameras
- Immersive Imaging cameras

DSL591A-650-F2.8 Mechanical Dimensions [mm]:

Note: DSL591 is intended for use with Sunex CMT103.

