

Ultra Wide-Angle Miniature Lens



Description

The DSL224 lens is a miniature, wide-angle all glass lens designed for 1/3", 1.3MP sensors. The wide field of view, low F/#, and distortion characteristics make this lens ideal for security and automotive applications.

Key Features

- 176° wide angle FoV
- Good low light performance: F/2.0 relative aperture
- All glass design to optimize thermal stability

Optical Specifications

Sunex PN DSL224	
Description	Wide Angle Lens
Imager Format	1/3"
Nominal Imager Resolution	1.3MP
Focal Length	2.16mm
Relative Aperture (F/#)	F/2.0
Image Circle	6mm
Field of View	176° at 6.0 mm image circle
Total Track Length	21.6mm
Distortion	-8.5% from F- θ
Chief Ray Angle	18.2° at 6.0mm image circle, linear
IR cut-off filter	Optional IR cutoff at 650nm available

Applications

- Automotive Rear View Cameras
- Security and Surveillance
- Computer Vision

DSL224D-650-F2.0, DSL224D-670-F2.0, and DSL224D-NIR-F2.0 Mechanical Dimensions [mm]:

Note: DSL224D is intended for use with Sunex CMT821 or CMT002 mount

