

Ultra Wide-Angle Lens

Description

The DSL221A lens is a miniature ultra wide-angle lens with Tailored Distortion™. The wide field of view, low F-number, and special distortion characteristics make this lens ideal for security and automotive applications.

Key Features

- Ultra wide FOV: 170° maximum
- Good low light performance: F/2.0 aperture
- Hybrid design to provide environmental stability
- Tailored Distortion™

Applications

- Security and Surveillance cameras
- Automotive Rear View and Occupant Sensing cameras

Optical Specifications

Sunex PN DSL221A	
Description	Wide Angle Lens
Imager Format	1/4"
Focal length [mm]	1.1
F/#	2.0
Design Image Circle [mm]	4.0
Field of View [degrees]	170°
Distortion	+23% from f- θ (tailored)
Corner chief ray angle [degrees]	<5°
Relative Illumination [@ full field]	48%
Mechanical	See drawing below
IR cut-off filter	Integrated reflective IR cut-off coating

DSL221A Mechanical Dimensions [mm]:

