

Miniature IR Lens



Description

The DSL893 is designed for high precision infrared imaging. It uses advanced optical technology to ensure the stability of the image. This lens has excellent infrared transmittance and can capture subtle thermal changes, which is widely used in DMS, industrial inspection, medical imaging and security monitoring. Its compact size and rugged construction make it ideal for portable devices that perform well in both laboratory and outdoor environments.

Key Features

- Hybrid design for short TTL
- Stable thermal shift
- Lower flare and ghost

Optical Specifications

Sunex PN DSL893	
Description	Miniature DSC Lens
Imager Format	1/3.2"
Nominal Imager Resolution	Up to 2MP
Focal Length	3.97mm
Relative Aperture (F/#)	2.0
Image Circle	4.54mm @ 61.2°
Field of View	52° @ 3.84mm image circle 33.5° @ 2.4mm image circle
Total Track Length	6.3mm
Distortion	-3.14% f-tan theta
Chief Ray Angle	27.4° @ 4.54mm image circle
IR cut-off filter	BP940

Applications

- DMS
- Biometric and Security
- Scanner and Industrial

DSL893A-BP940-F2.0 Mechanical Dimensions [mm]:

