

### High Resolution Low Distortion Lens



### Description

The DSL949 is a hybrid lens designed for 1/3" imagers with up to 5MP resolution. Special design techniques enable the DSL949 to achieve a wider than normal field of view with very low distortion in a small form factor.

### Key Features

- Hybrid design for wide angle with low distortion
- F/2.0 for excellent low light sensitivity
- Compact size

### Optical Specifications

Sunex PN DSL949	
Description	High Resolution Hybrid Lens
Imager Format	1/3"
Nominal Imager Resolution	Up to 5MP
Focal Length	3.4mm
Relative Aperture (F/#)	F/2.0
Image Circle	6.0mm
Field of View	53° at 3.4mm image circle 72° at 5.1mm image circle 82° at 6.0mm image circle
Total Track Length	20.5mm
Distortion	<1% rectilinear
Chief Ray Angle	21° at 6.0mm image circle, linear
IR cut-off filter	Optional 650nm IR cut off filter

### Applications

- Video conferencing
- Security/Surveillance
- Computer Vision

### DSL949A-650-F2.0 and DSL949A-NIR-F2.0 Mechanical Dimensions [mm]:

Note: DSL949A is intended for use with Sunex CMT821 mount

