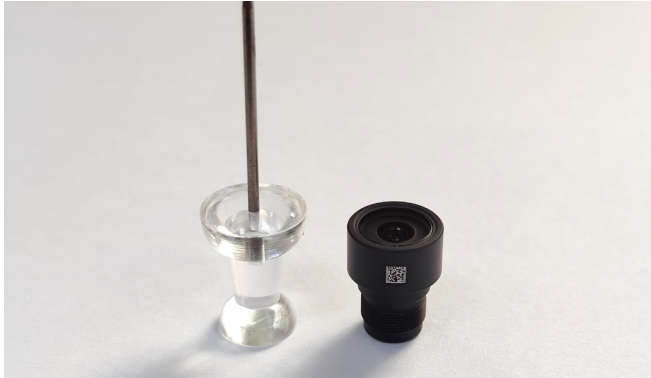**Excellence in Digital Imaging Optics**

Miniaturized machine vision Lens

Description

The DSL137 is a machine vision lens with custom Distortion ™ designed for Robotic and other HDR, environmental challenge applications. The DSL137 is all glass lens with high performance and good thermal stability.

Key Features
- HHD/HDR Performance
- More than 90degree at 1/4" sensor
- Miniaturization and lightweight

Optical Specifications

Sunex PN DSL137	
Description	HD/HDR miniaturization lens
Imager Format	1/4"
Nominal Imager Resolution	1.3MP
Focal length	1.85mm
Relative Aperture (F/#)	2.35
Design Image Circle	3.9mm
Field of View	FOV 179° at 3.9mm image circle FOV 95.7° at 2.82mm image circle
Total Track Length	14mm
Distortion (F-theta)	-32% at 3.9mm
Chief Ray Angle	30 degree at 3.9mm
IR cut-off filter	NIR/650 optional

Applications
- Robotics
- Machine Vision

Sunex

Excellence in Digital Imaging Optics

DSL137A-NIR-F2.35 Mechanical Dimensions [mm]:

Note: DSL137 is intended for use with Sunex CMT137 mount.