

Excellence in Digital Imaging Optics

LiDAR Receiver Lens



Description

The DSL143 is a lens designed for LiDAR Receiver applications. It features a low F/# and advanced AR-coating to support high dynamic range (HDR) and low straylight performance in support of the best LiDAR range and performance. Its durable all-glass and aluminum construction ensures reliability and longevity under harsh environmental conditions.

Key Features

- Low F/# and advanced AR coating
- HDR-Optimized for low flare and ghost
- All glass construction for thermal and environmental stability

Optical Specifications

Sunex PN DSL143	
Description	LiDAR Receiver Lens, all glass
Imager Format	1.5"
Nominal Imager Resolution	0.3MP
Focal Length	40.6mm
Relative Aperture (F/#)	1.4
Image Circle	24.5mm @34.2.
Field of View	30.9° @22mm IMC 15° @ 10.6mm IMC
Total Track Length	56.3mm
Distortion	1.2% f-theta @ 24.5mm
Chief Ray Angle	2° @24.5mm image circle
IR cut-off filter	IR-cut optional

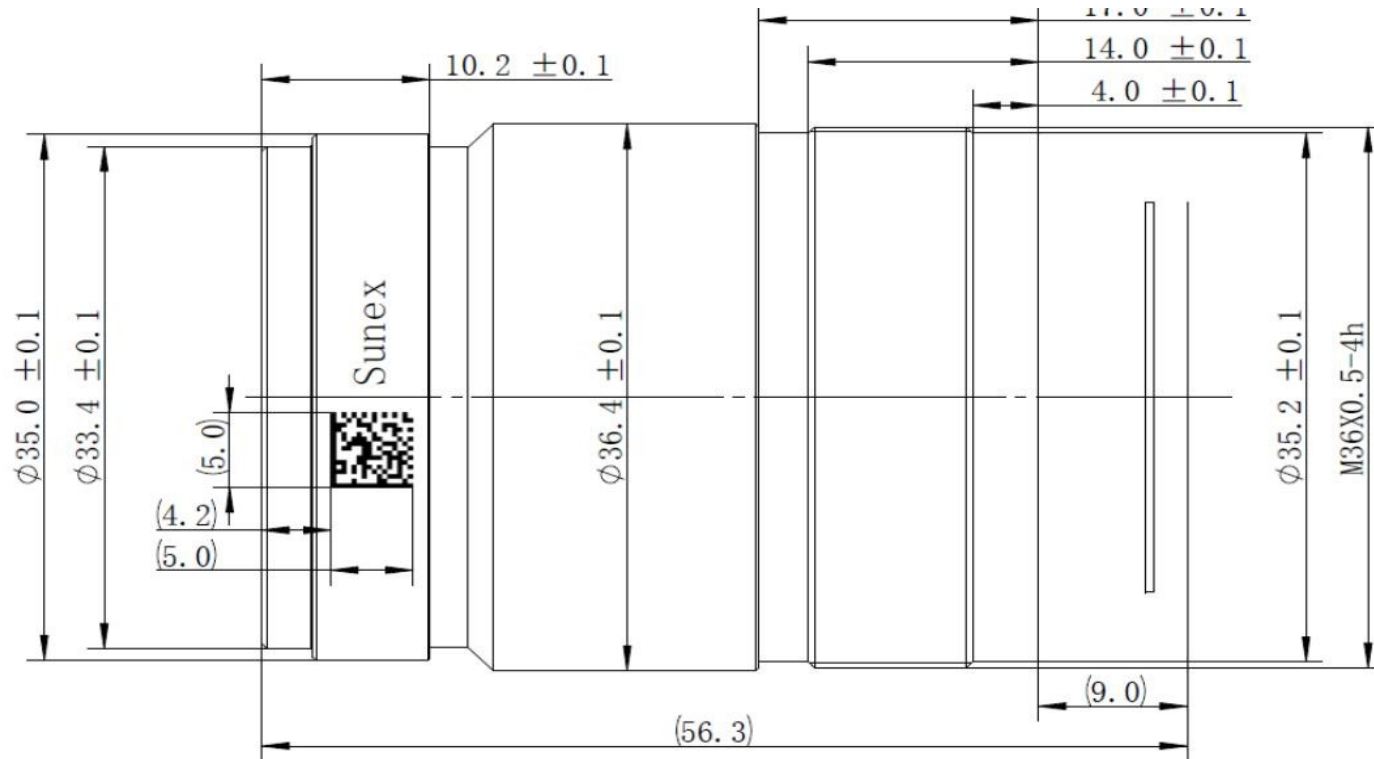
Applications

- Automotive
- Off-Highway Vehicles (OHV)
- Computer Vision and Robotics
- Machine Vision

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DSL143D-NIR-F1.4 Mechanical Dimensions [mm]:

Note: Custom lens holder and DMC optional



SUBJECT TO CHANGE WITHOUT NOTICE

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