Sunex

Excellence in Digital Imaging Optics

DSL335 Specification Sheet

HDR Lens

Description

The DSL335 lens is a miniature-designed lens specifically designed for machine vision, standard sensors up to 1/3"format sizes. In visible light and infrared has a good contrast, resolution, ghost, stray light performance, where high resolution and the LowGhost™HDR feature are required.

Key Features

- All glass
- Sunex LowGhost™ HDR
- Designed for finite distance
- Support VIS and NIR

Optical Specifications

Sunex PN DSL335	
Description	HDR Lens
Imager Format	1/3”
Nominal Imager Resolution	Up to 5MP
Focal length	2.26mm
Relative Aperture (F/#)	4.0
Design Image Circle	4.71mm
Field of View	FOV 95° at 4.71mm image circle
Total Track Length	21.4mm
Distortion (F-tan(theta))	24.8% at 4.71mm
Chief Ray Angle	9.06° at 4.71mm
IR cut-off filter	NIR

Applications

- Machine vision
- Defect detection
- Industrial camera
- Security

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DSL335A-NIR-F4.0 Mechanical Dimensions [mm]:

Note: DSL335 is intended for use with Sunex CMT168 mount.