Excellence in Digital Imaging Optics

High Resolution Computer Vision Lens

Description

The DSL330 is a compact, high resolution, narrow FOV lens with all-glass and metal construction. The high resolution and low distortion enable a variety of computer vision applications in the Automotive, Robotics and Machine Vision markets. The all-glass and metal construction make this lens very environmentally stable.

Key Features
- High resolution
- Environmentally Stable
- Low Distortion
- Compact Design

Optical Specifications

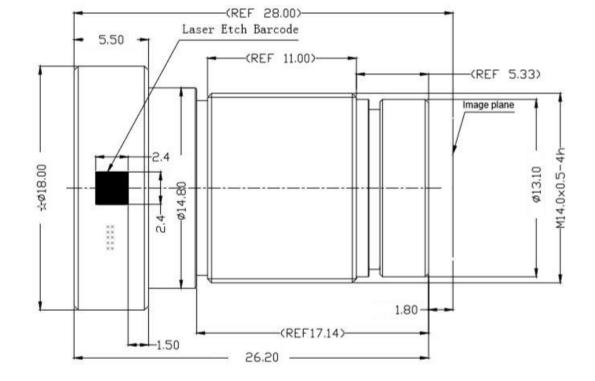| Sunex PN DSL330	
Description	High Res Computer Vision Lens
Imager Format	1/1.55"
Nominal Imager Resolution	6MP
Focal Length	12.05mm
Relative Aperture (F/#)	2.6
Image Circle	10.4mm
Field of View	49° at 10.4mm image circle
Total Track Length	28mm
Distortion (F-tan(θ))	< -5% at 10.4mm image circle
Chief Ray Angle	20.8° max
IR cut-off filter	Optional 680nm IR cut coating

Applications
- Automotive ADAS and Mobility
- CV and Robotics
- Machine Vision

Sunex

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DSL330A-NIR-F2.6 and DSL331A-680-F2.6 Mechanical Dimensions [mm]:

Note: DSL330A is intended for use with a customized mount – please inquire.

Notes:
1. EFL=12.05
2. F#=2.6
3. Barrel Material: Anodized AL6061;
   Cap Material: Anodized AL6061