Sunex

Excellence in Digital Imaging Optics

High Resolution, Low-Light Computer Vision Lens
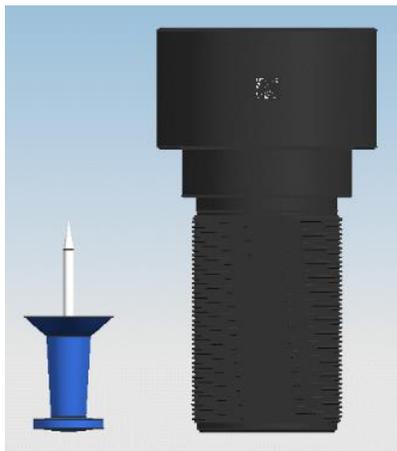
Description

The DSL331 is a fast, high resolution, narrow FOV lens with all-glass and metal construction. The high resolution, low F/# 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, Telephoto
- Low, F/2.0 aperture
- Environmentally Stable
- Low Distortion

Optical Specifications

Sunex PN DSL331	
Description	High Resolution, Low F/#, Computer Vision lens
Imager Format	1/1.55"
Nominal Imager Resolution	6mp
Focal Length	19.84mm
Relative Aperture (F/#)	2.0
Image Circle	10.3mm
Field of View	29.6° at 10.3mm image circle
Total Track Length	43.10mm
Distortion (F-tan(θ))	-1.68% at 10.3mm image circle
Chief Ray Angle	17.3° max
IR cut-off filter	Optional IR cut coating

Applications

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

Sunex, Inc.
Telephone: +1 760 597 2966
www.sunex.com

![Sunex Logo] **Sunex**

Excellence in Digital Imaging Optics

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

DSL331 is intended for custom mounts – please inquire.
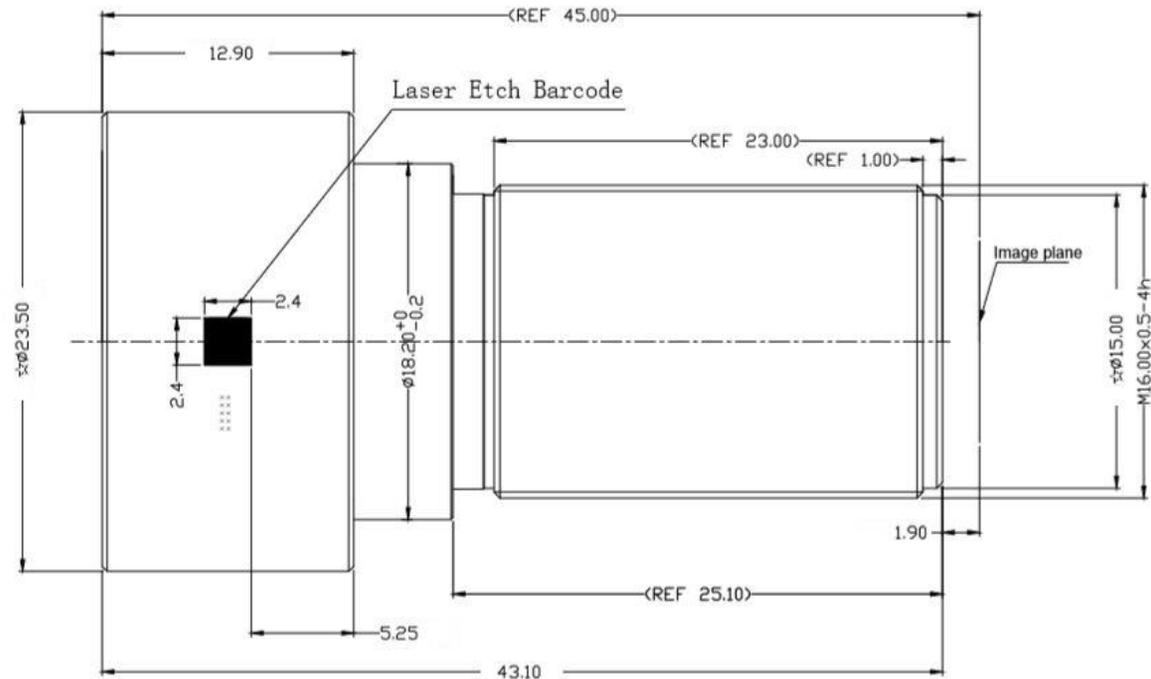
Notes:
1. EFL=19.84
2. F#=2.0
3. Barrel Material: Anodized AL6061;
   Cap Material: Anodized AL6061

Sunex, Inc.
Telephone: +1 760 597 2966
www.sunex.com