

High Resolution, Wide-Angle Computer Vision Lens



Description

The DSL333 is a high resolution, wide FOV lens with all-glass and metal construction. The high resolution and wide angle enable a variety of computer vision applications in the Automotive, Robotics, Security and Machine Vision markets. The all-glass and metal construction make this lens very environmentally stable.

Key Features

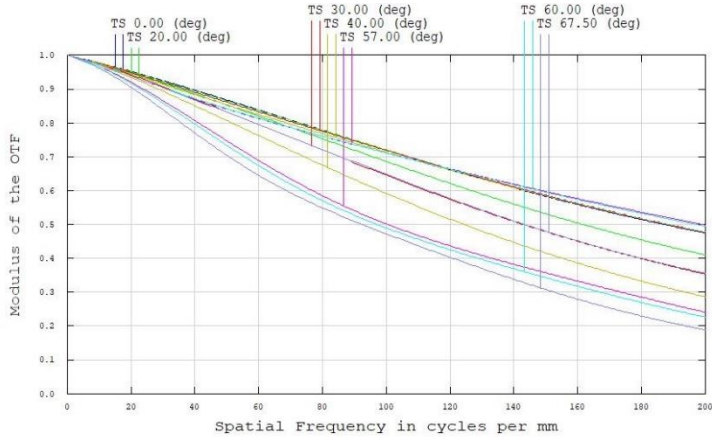
- High Resolution, wide angle
- F-theta distortion
- Environmentally Stable

Optical Specifications

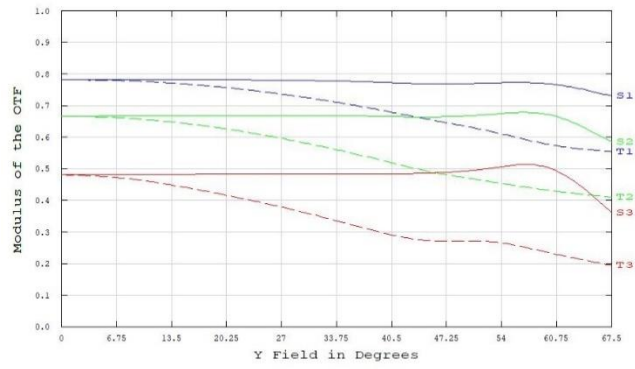
Sunex PN DSL333	
Description	High Res, wide-angle computer vision lens
Imager Format	1/1.55"
Nominal Imager Resolution	6MP
Focal Length	4.26mm
Relative Aperture (F/#)	2.8
Image Circle	10.3mm
Field of View	135° at 10.3mm image circle
Total Track Length	27.8mm
Distortion (F-Theta)	<3.2% at 10.3mm image circle
Chief Ray Angle	22.3° max
IR cut-off filter	Optional 680nm IR cut coating

Applications

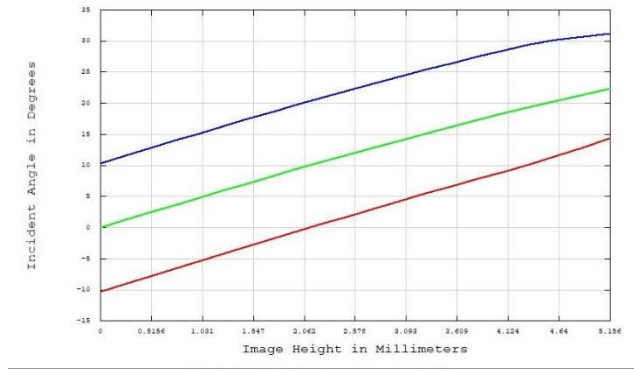
- Automotive ADAS and Mobility
- CV and Robotics
- Machine Vision
- Security and Access Control



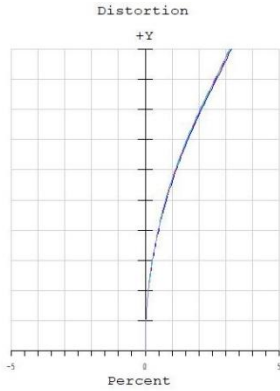
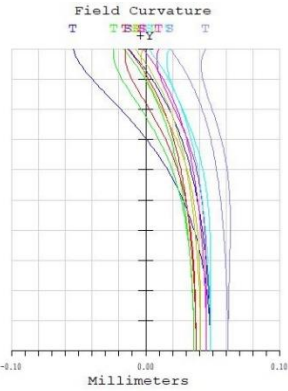
Data for 0.4200 to 0.6800 μm .
Surface: Image



Data for 0.4200 to 0.6800 μm .
Freq 1: 80.00 cyc/mm
Freq 2: 120.00 cyc/mm
Freq 3: 200.00 cyc/mm

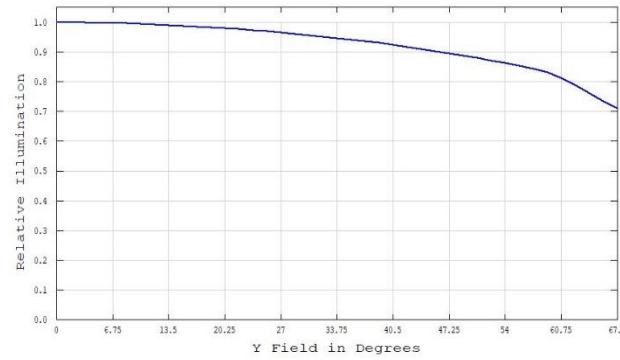


Lower Chief Upper

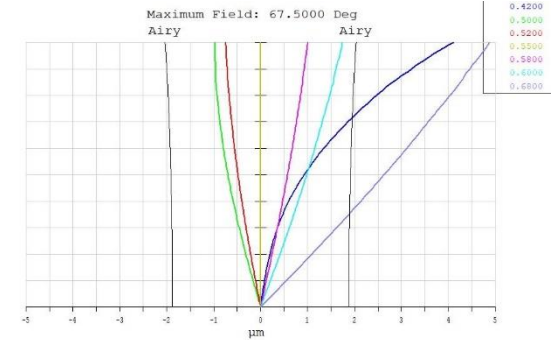


Field Curvature / F-Theta Distortion

Maximum Field is 67.500 Degrees.
Wavelengths: 0.420 0.500 0.520 0.550 0.580 0.600 0.680



Wavelength: 0.550000 μm



Data Referenced to Wavelength 0.550000 μm
Real rays used.