

Miniature HDR lens



Description

The DSL144 is a miniature lens designed for 1/1.8" imager formats. The athermalized design combined with a large depth of focus yields optimal performance with temperature. The DSL144 has superior HDR capability and low F/#, making it ideal for various light conditions.

Key Features

- Thermal stability
- Fovea distortion profile
- Hybrid construction

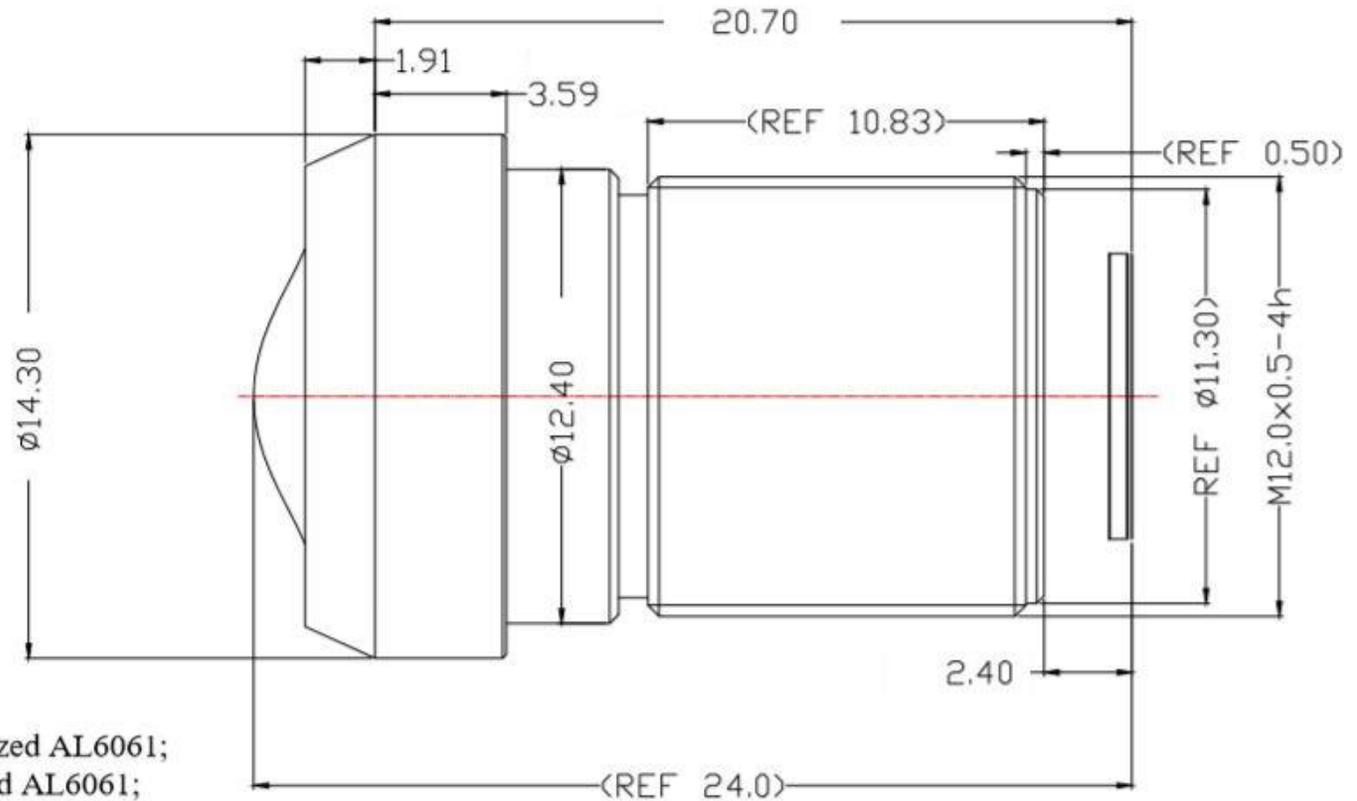
Optical Specifications

Sunex PN DSL144	
Description	HDR
Imager Format	1/1.8"
Nominal Imager Resolution	1.7MP
Focal Length	6.2mm
Relative Aperture (F/#)	1.6
Image Circle	7.8mm
Field of View	102° @7.8mm image circle
Total Track Length	24mm
Distortion	-50% f-tan theta
Chief Ray Angle	16.2° @7.8mm image circle
IR cut-off filter	Optional IR cut-off filter, -700

Applications

- Automotive
- Security/ Surveillance

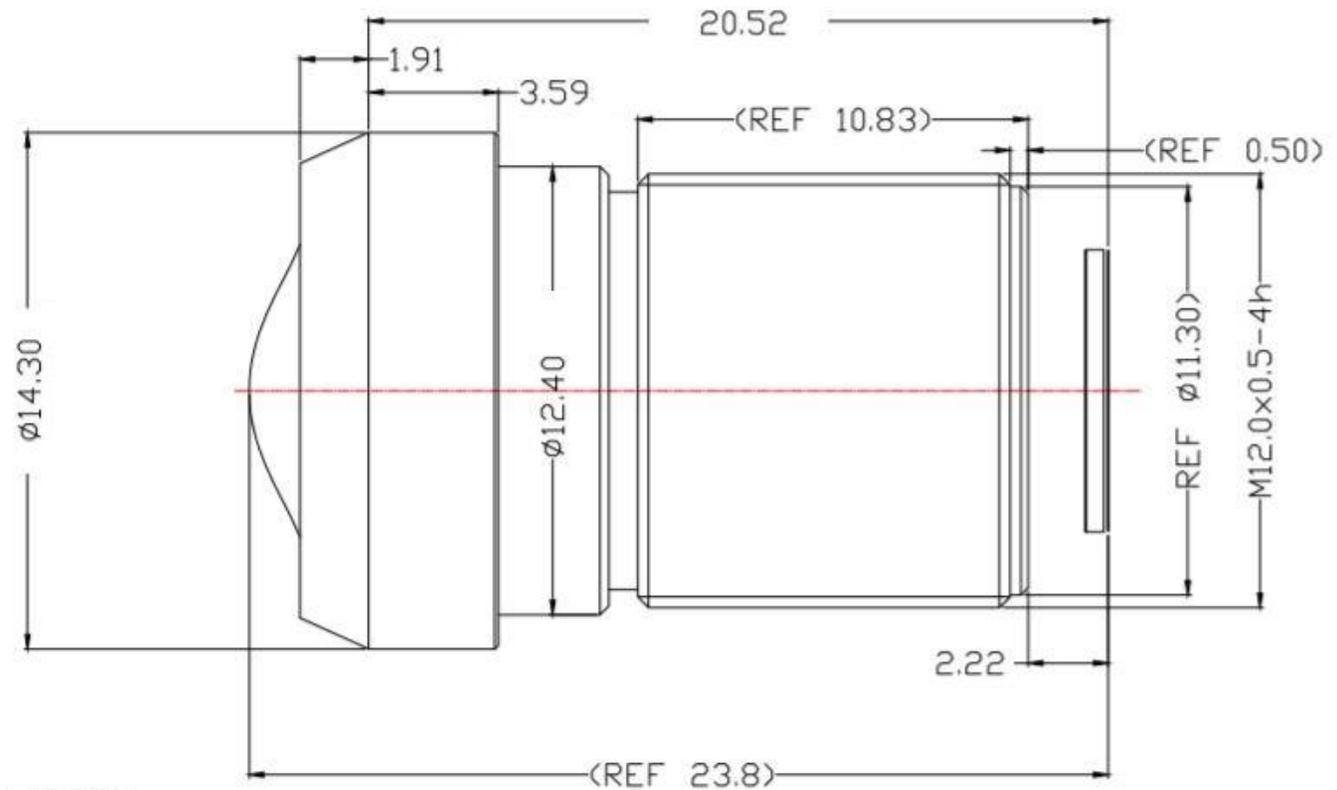
DSL144A-700-F1.6 Mechanical Dimensions [mm]:



Notes:

1. EFL=6.2
2. F#=1.6
3. Barrel Material: Anodized AL6061;
Cap Material: Anodized AL6061;
4. IR Filter: T=50%@700±20nm.

DSL144A-NIR-F1.6 Mechanical Dimensions [mm]:



Notes:

1. EFL=6.2±0.2;
2. F#=1.6±0.15;
3. Barrel Material: Anodized AL6061;
Cap Material: Anodized AL6061;