

4K, Ultra Bright Wide-Angle Lens



Description

DSL165 is a high-performance lens with ultra-low F/# for superior low light imaging in Automotive, Autonomous and Security applications. Low-Ghost HDR and 4K design provide excellent image quality. The all-glass construction makes it thermally stable and ideally-suited for indoor or outdoor applications in harsh environments.

Key Features

- F/1.6
- All glass for environmental and thermal stability
- HDR-Optimized for Low flare and ghost
- 4K resolution and extremely low F/# for bright, sharp images.

Optical Specifications

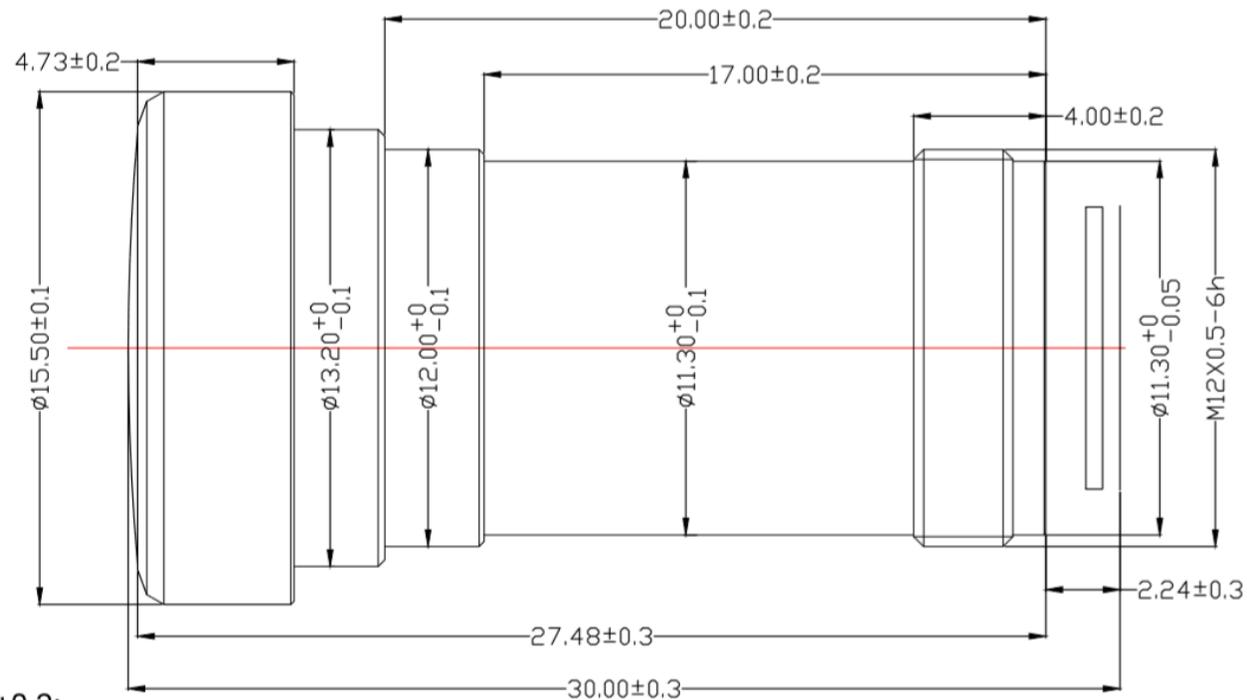
Sunex PN DSL165	
Description	Superb Low-Light Imaging Lens
Imager Format	Up to 1/1.7"
Nominal Imager Resolution	4K
Focal Length	4.57mm
Relative Aperture (F/#)	1.6
Nominal Image Circle	8.6mm
Field of View	120° degrees at 8.6mm image circle
Total Track Length	30mm
Distortion (F- Theta)	-10%
Chief Ray Angle	13.7° at 8.6mm image circle
IR cut-off filter	Optional 650nm IR cut off coating

Applications

- Automotive cameras
- Autonomous applications
- Security/Surveillance cameras

DSL165A-NIR-F1.6 and DSL165A-650-F1.6 Mechanical Dimensions [mm]:

Note: DSL165A is intended for use with Sunex CMT821 or CMT168-1122.



Notes:

1. EFL= 4.57 ± 0.2 ;
2. F#= 1.6 ± 0.15 ;
3. Barrel Material: Anodized AL6061;
Cap Material: Anodized AL6061;