Sunex

Excellence in Digital Imaging Optics

DSL261 Specification Sheet

4K HDR-Optimized Ultra-Wide Lens

Description

The DSL261 is an all-glass, high-resolution (4K+), wide-angle lens designed for HDR and/or 4K sensors up to 1/2” format size. The design provides a maximum FOV of 160˚ at maximum image circle of 8.0mm. The compact size and thermal stability make this lens ideal for security and other high-quality indoor/outdoor imaging applications.

Key Features

- Ultra-wide FOV: 160°
- Sunex NoGhost™ HDR-Optimized design
- All-Glass Design for thermal stability
- Good low light performance: F/2.8 aperture
- Compact size

Optical Specifications

Sunex PN DSL261	
Description	Miniature 4K Wide Angle Lens
Imager Format	Up to 1/2”
Nominal Imager Resolution	Up to 16MP
Focal Length	3.0mm
Relative Aperture (F/#)	2.8
Image Circle	8.0mm
Field of View	120° at 6.0mm image circle 160° at 8.0mm image circle
Total Track Length	31mm
Distortion	-5.7% from F-θ at 8.0mm image circle
Chief Ray Angle	13° at 8.0mm image circle, linear
IR cut-off filter	Optional 650nm IR cut off coating

Applications

- Security and Surveillance cameras
- Drone cameras
- Immersive Imaging camera

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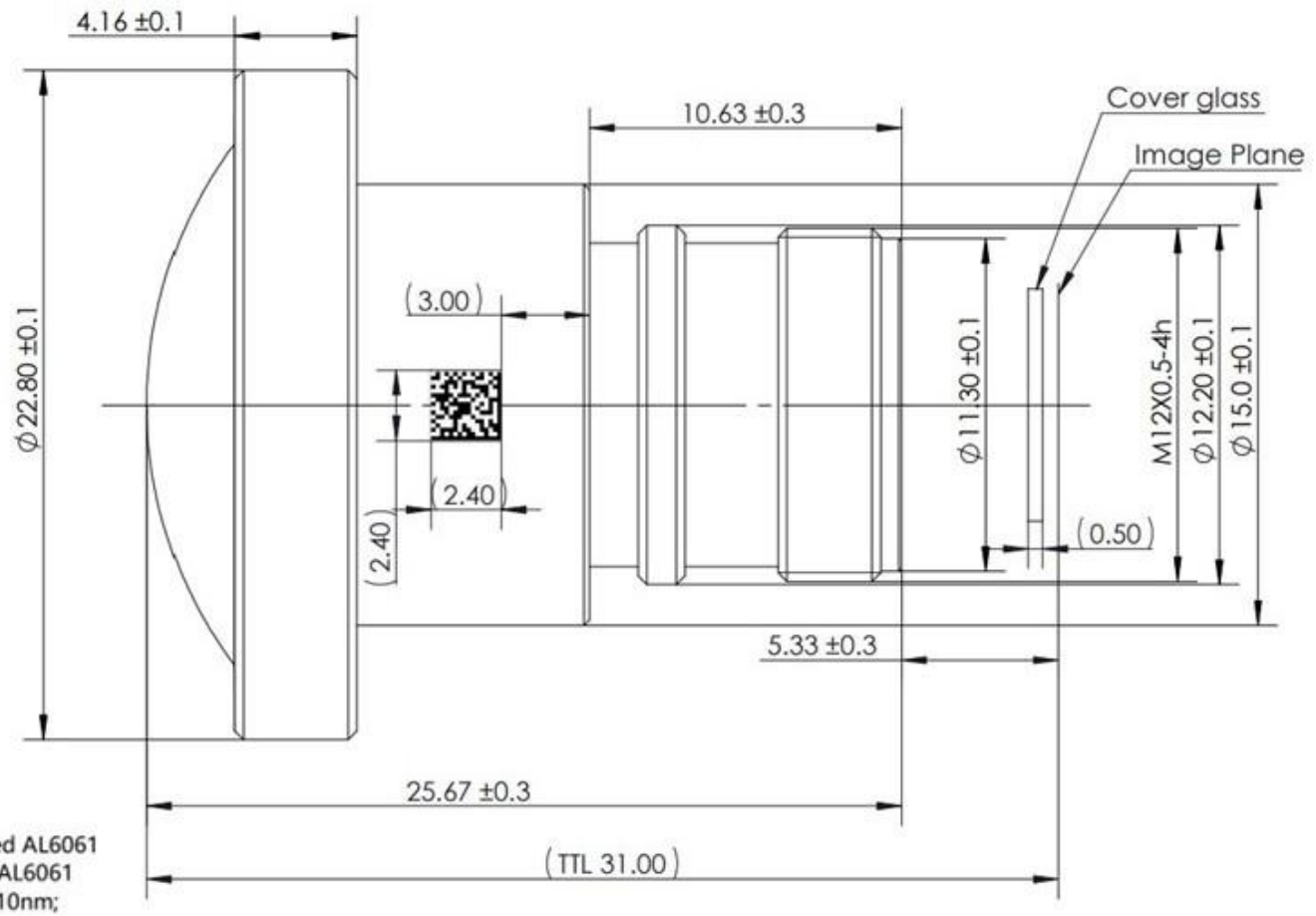
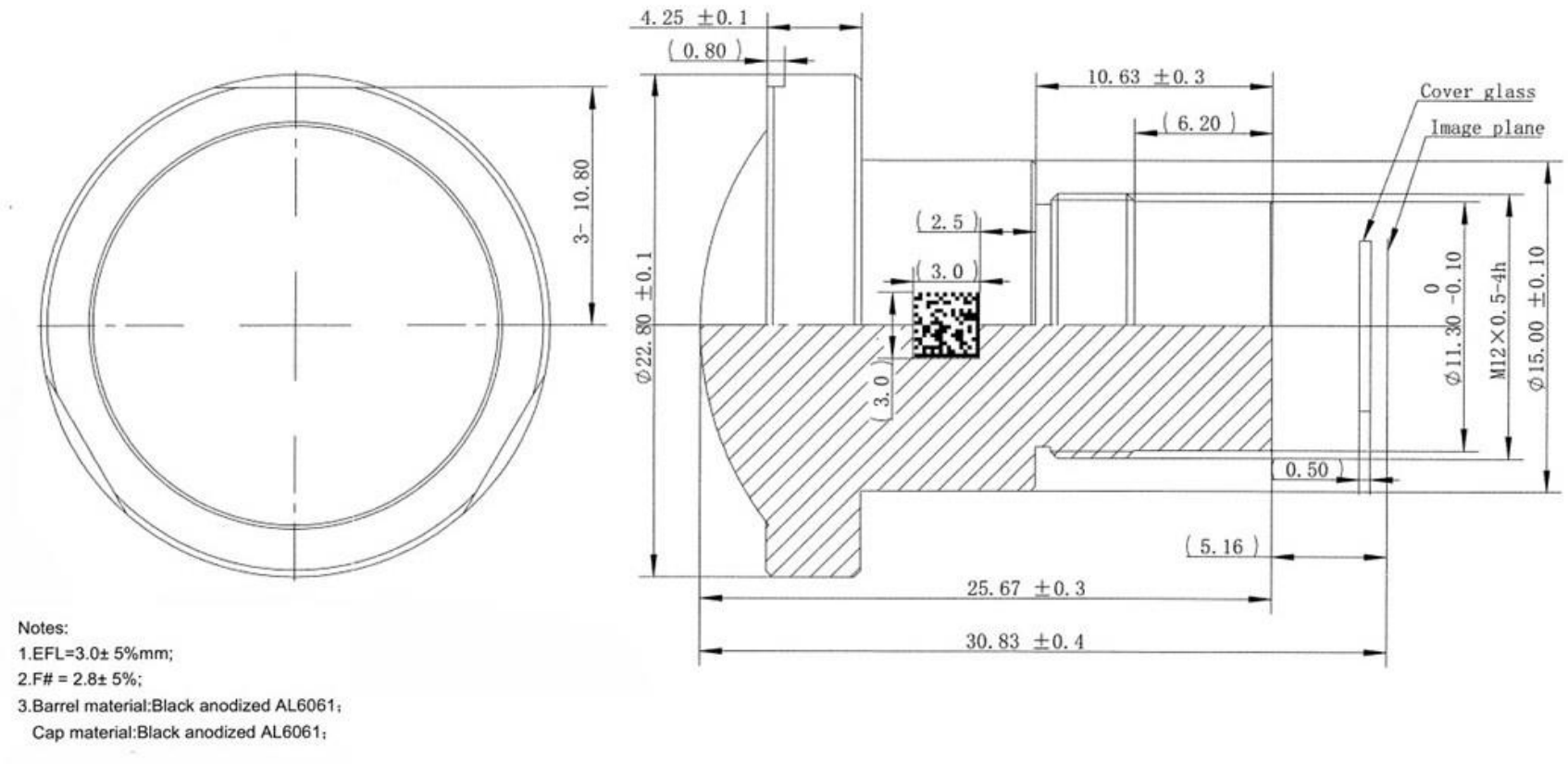
DSL261D-660-F2.8 Mechanical Dimensions [mm]:



1.EFL=3.0±5%mm
2.F/#=2.8±5%
3.Barrel material :Black anodizded AL6061
Cap material :Black anodizded AL6061
4. IR cut coating: T=50%@660±10nm;

DSL261E-NIR-F2.8 Mechanical Dimensions [mm]:



Notes:
1.EFL=3.0± 5%mm;
2.F# = 2.8± 5%;
3.Barrel material:Black anodized AL6061;
Cap material:Black anodized AL6061;

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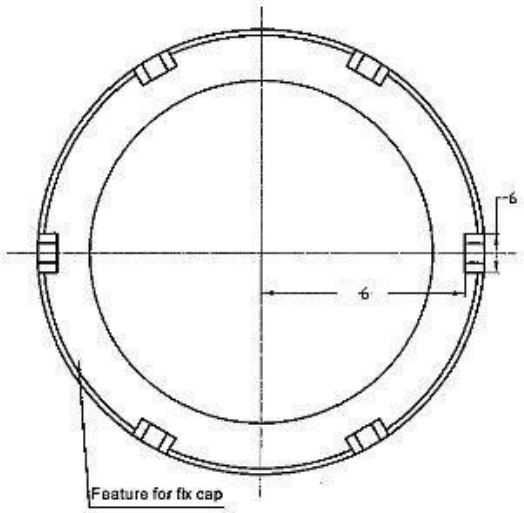
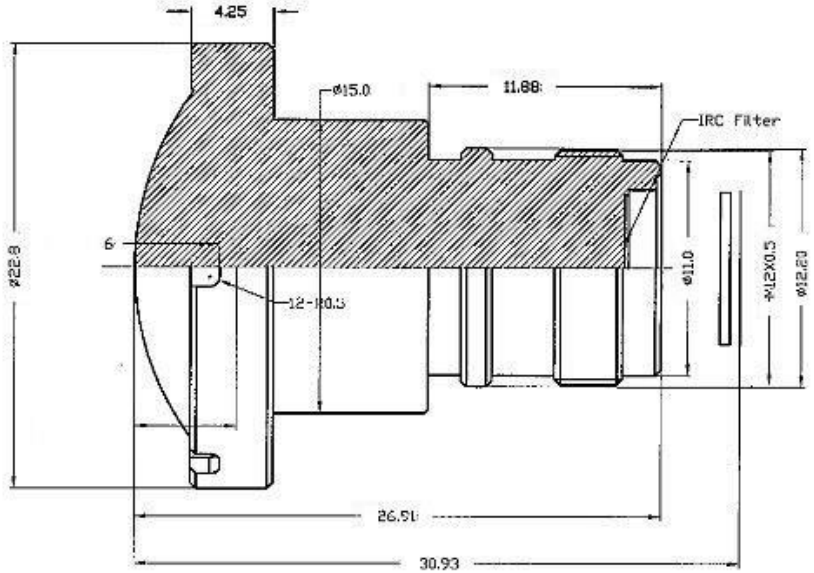
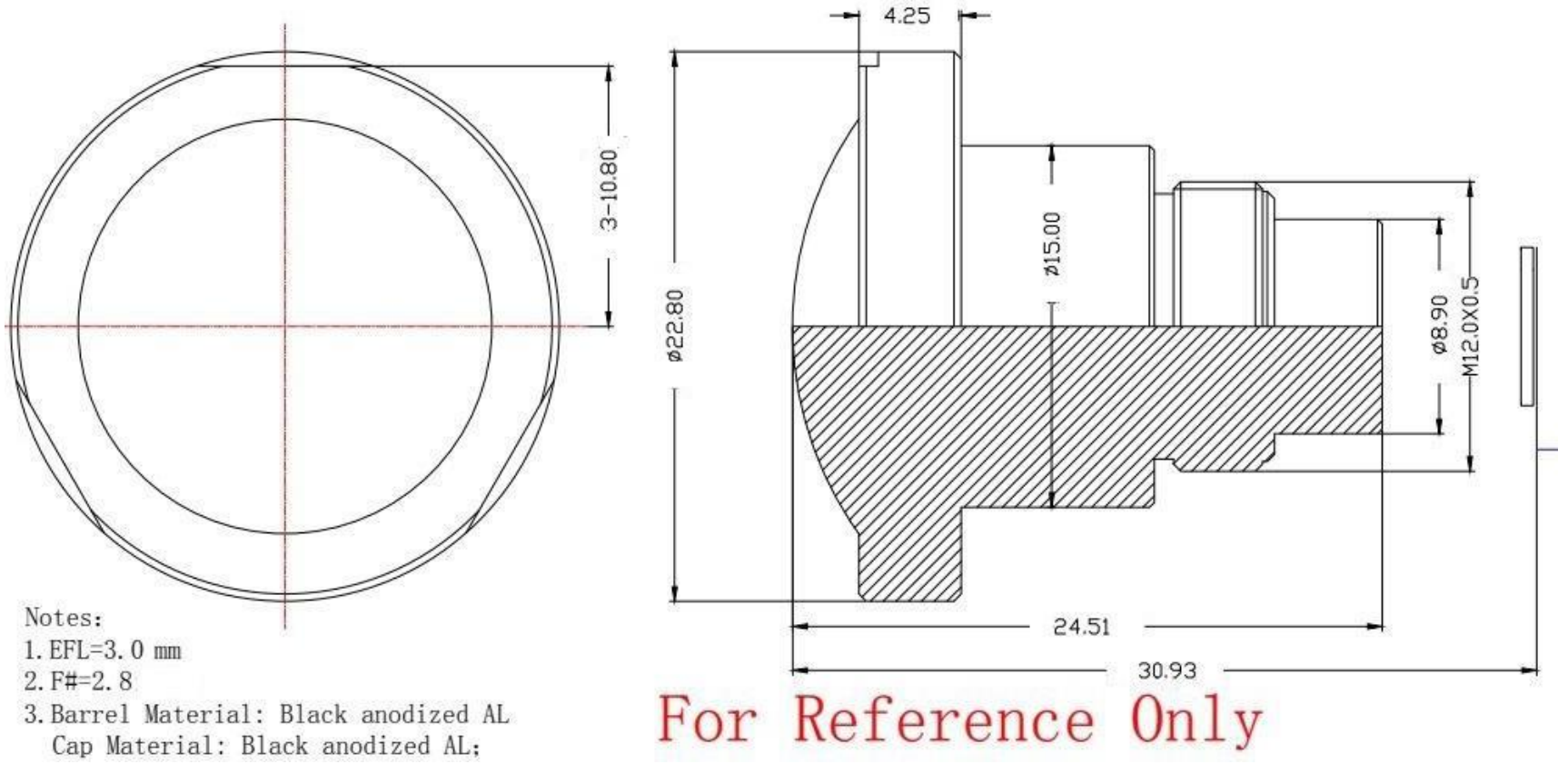
DSL261B-660-F2.8 Mechanical Dimensions [mm]:





Note:
1.F/#:2.8
2.EFL:3.0 mm
3. Cap Material: Black anodized AL 6061
Barrel Material: Black anodized AL 6061
4.Tcut=50%@660±10nm

DSL261C-NIR-F2.8 Mechanical Dimensions [mm]:



Notes:
1. EFL=3.0 mm
2. F#=2.8
3. Barrel Material: Black anodized AL
   Cap Material: Black anodized AL;