

### Tailored Distortion™ Wide-Angle Lens



### Description

The DSL212 is a miniature wide-angle all-glass lens with Tailored Distortion. This lens was optimized for 1/3" format sensors with up to HD resolution. The Tailored Distortion wide field of view and all glass construction make it ideal for outdoor applications which depend on off axis angular resolution.

### Key Features

- Tailored Distortion
- All Glass construction to optimize thermal stability

### Optical Specifications

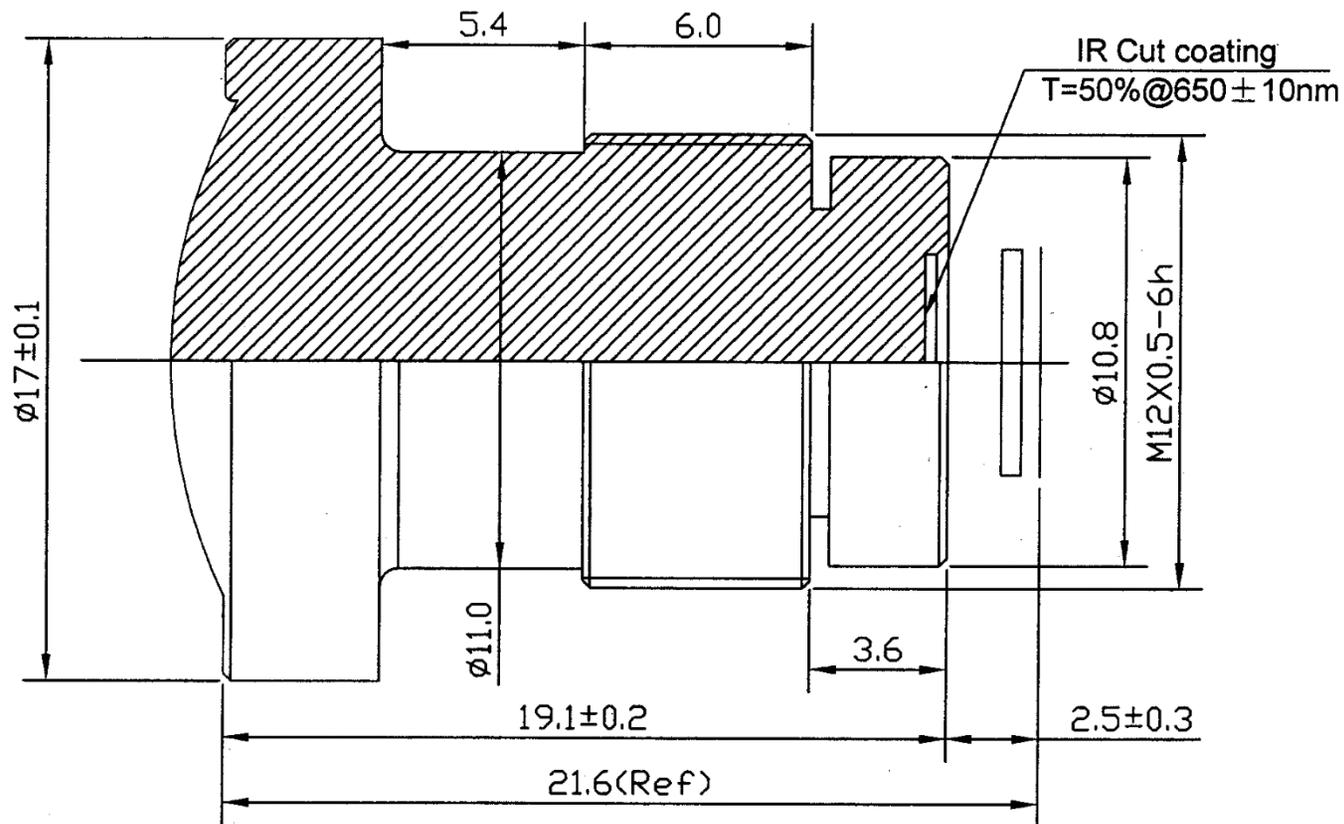
Sunex PN DSL212	
Description	Miniature all-glass wide angle lens
Imager Format	1/3"
Nominal Imager Resolution	1.3MP
Focal Length	1.97mm
Relative Aperture (F/#)	F/3.0
Image Circle	6.0mm
Field of View	133° at 4.8mm image circle 170° at 6.0 mm image circle
Total Track Length	23.0mm
Distortion	+10% from F-θ
Chief Ray Angle	11° @ 6.0mm image circle, linear
IR cut-off filter	Optional Integrated 650nm cut off

### Applications

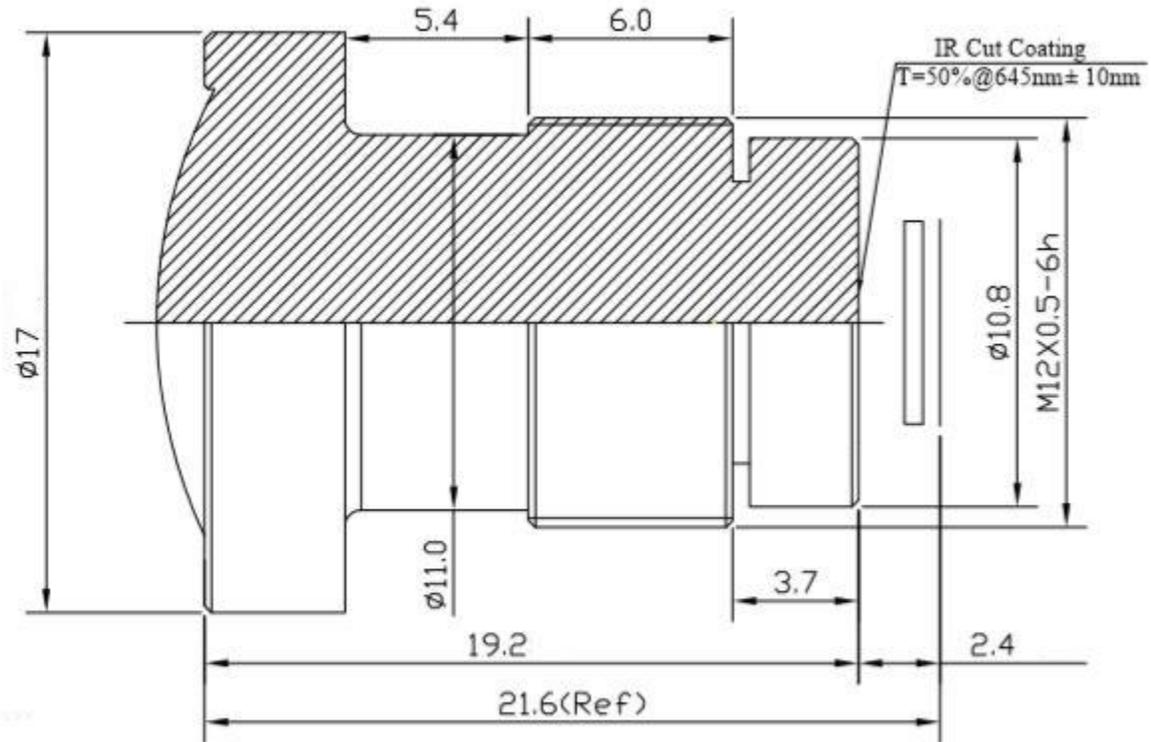
- Automotive rear-view cameras
- Security and Surveillance
- Computer Vision

### DSL212D-650-F3.0 and DSL212D-NIR-F3.0 Mechanical Dimensions [mm]:

Note: DSL212D is intended for use with Sunex CMT821 or CMT103 mounts.



### DSL212F-645-F3.0 Mechanical Dimensions [mm]:



Note:

1. Effective focal length: 1.97
2. F#: 3.0
3. Barrel Material: Black anodized AL;
4. IR Cut Coating:  $T=50\% @ 645nm \pm 10nm$