

### 4K Miniature SuperFisheye™ Lens



### Description

The DSL255 is an all-glass, miniature SuperFisheye™ lens designed for 4K sensors with up to 1/2" format size. The SuperFisheye™ design provides a FOV of 190° at design image circle of 4.3mm. The low F-number, compact size and thermal stability make this lens ideal for security and other high-quality indoor/outdoor imaging applications.

### Key Features

- SuperFisheye FOV: 190°
- All-Glass Design
- Good low light performance: F/2.0 aperture
- Compact size

### Optical Specifications

Sunex PN DSL255	
Description	All-Glass SuperFisheye™
Imager Format	Up to 1/2"
Nominal Imager Resolution	Up to 10MP
Focal Length	1.5mm
Relative Aperture (F/#)	F/2.0
Image Circle	4.3mm
Field of View	190° at 4.3mm image circle
Total Track Length	20.0mm
Distortion	-13% from F- $\theta$
Chief Ray Angle	5° at 4.3mm image circle, linear
IR cut-off filter	Optional 650nm IR cutoff filter

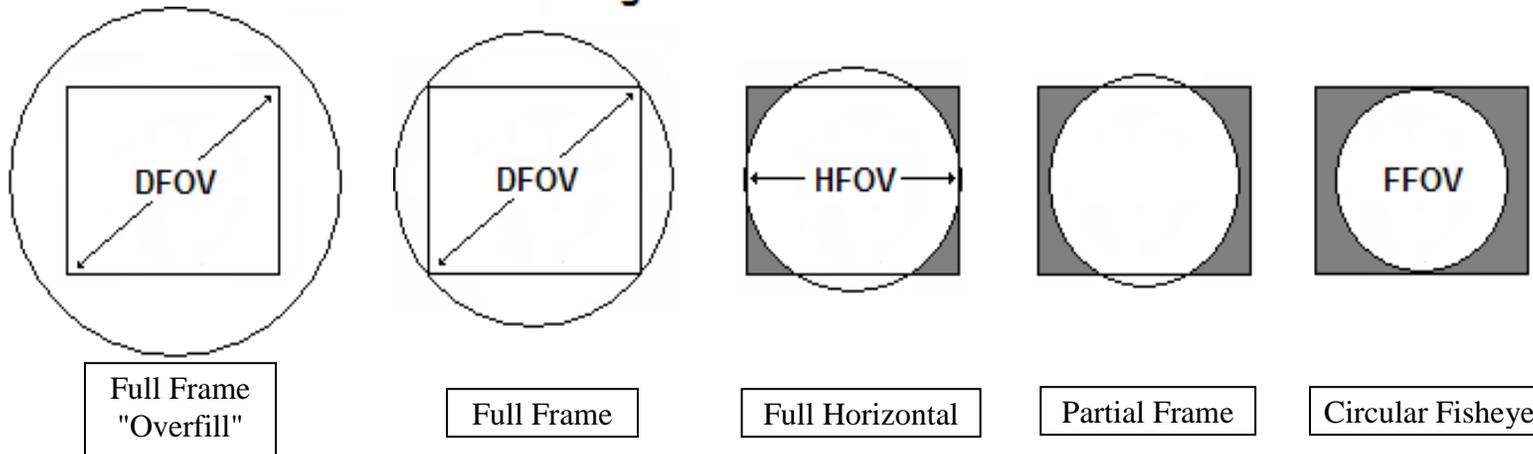
### Applications

- Security and Surveillance
- Drones
- Immersive Imaging
- Video Communication
- Consumer Devices and IoT

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Image circle format using a 4:3 aspect ratio imager:

### Image Circle vs. Sensor Format



*DSL255 on: 1/4" and smaller*

*~1/4"*

*~1/3.2"*

*~1/2.5"*

*1/2.3" or larger*

### DSL255A-650-F2.0 Mechanical Dimensions [mm]:

Note: DSL255A is intended for use with Sunex CMT168-1122F mount

