

4K Miniature SuperFisheye™ Lens



Description

The DSL315 lens is a miniature SuperFisheye™ lens designed for 4K sensors up to 1" format. The DSL315 provides a field of view of 190 degrees in a compact package on sensors. This lens is ideal for security/surveillance and immersive VR cameras.

Key Features

- 190-degree field of view
- Compatible with many common sensor formats/resolutions
- All glass elements provide environmental stability

Optical Specifications

Sunex PN DSL315	
Description	Miniature SuperFisheye™
Imager Format	Up to 1"
Nominal Imager Resolution	Up to 10 MP
Focal Length	2.7mm
Relative Aperture (F/#)	F/2.3
Image Circle	7.2mm
Field of View	135° at 5.8 mm image circle 190° at 7.2 mm image circle
Total Track Length	40.6mm
Distortion	-18% from F- θ
Chief Ray Angle	12.5° at 7.2mm image circle, linear
IR cut-off filter	Optional 650nm cutoff coating

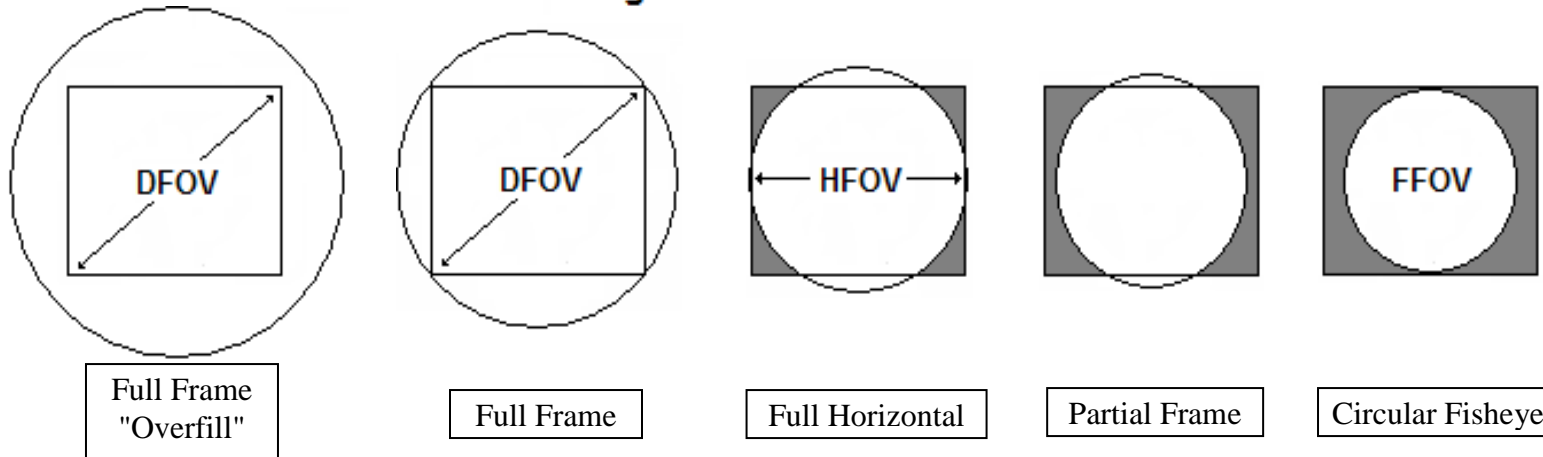
Applications

- Security / Surveillance
- VR / 360° cameras
- Computer Vision

Excellence in Digital Imaging Optics

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

Image Circle vs. Sensor Format



DSL315 on: 1/3.4" and smaller

~1/2.5"

~1/1.8"

~1/1.7"

1/1.2" or larger

DSL315B-NIR-F2.3 and DSL315B-650-F2.3 Mechanical Dimensions [mm]:

Note: DSL315B is intended for use with Sunex CMT107 or CMT804 mounts.

