

Miniature Megapixel Fisheye Lens



Description

The DSL215 lens is a miniature fisheye lens with resolution suitable for multi-megapixel resolution imagers. It provides a field of view of 185 degrees in a compact package. It is suitable for automotive, security and surveillance applications.

Key Features

- 185 degree field of view
- Compatible with common sensor formats
- Compact size
- High image quality, suitable for megapixel cameras
- All glass elements provide environmental stability

Applications

- Automotive
- Security and surveillance

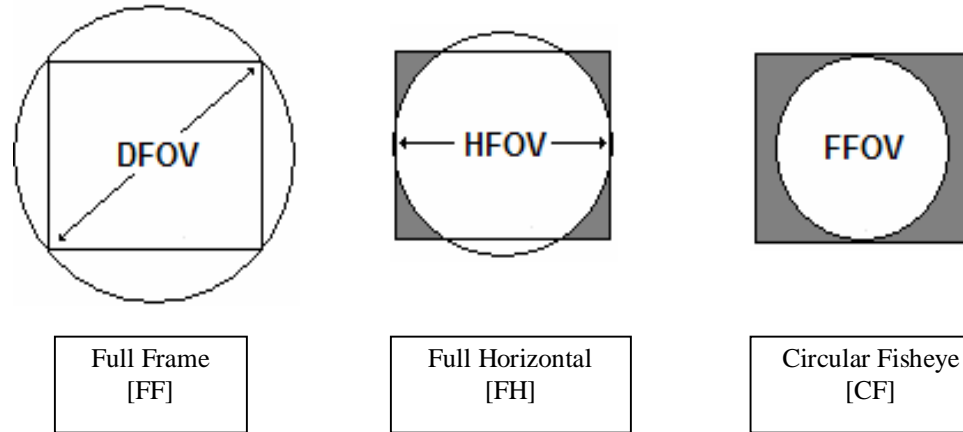
Optical Specifications

Sunex PN DSL215	
Description	Miniature fisheye lens
Image Circle [mm]	4.7
Focal Length [mm]	1.6
Imager Resolution	Multi-megapixel
F/#	2.0
Distortion [f- θ]	-5.7% [departure from F- θ]
Horizontal Field of View	185°
Relative Illumination	82% at full field
Chief Ray Angle	13.3°
IR Cut-off Filter Option	With filter: DSL215A No filter: DSL215A-NIR
Lens Barrel Thread*	M12x0.5

*Adaptor to C-mount available separately.

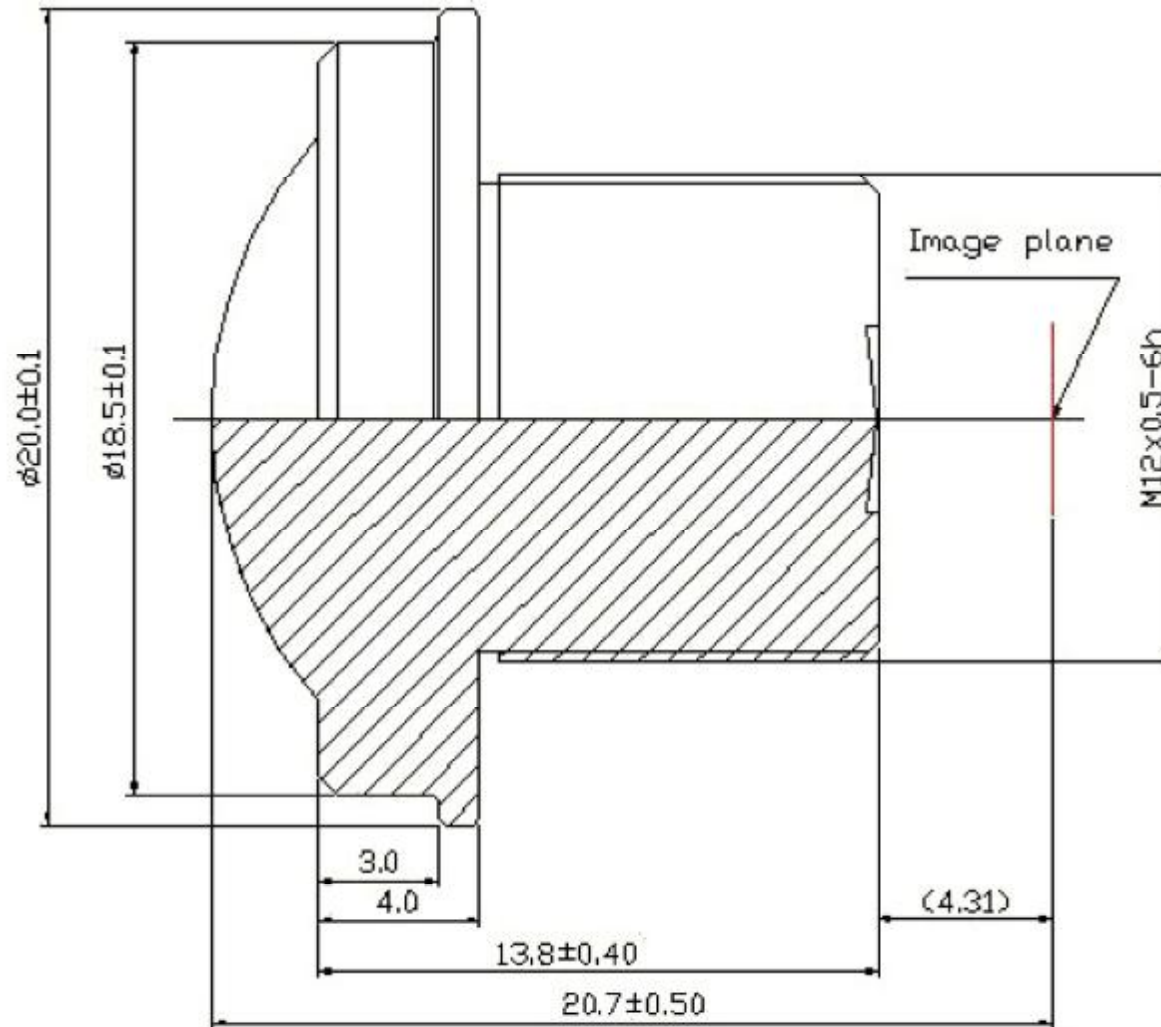
Image Circle and Field of View

Image Circle vs. Sensor Format



Sunex PN	EFL (mm)	F/#	Lens FOV (deg)	Horizontal Field Of View (deg)			
				1/2.5" format 5.6mm width	1/3" format 4.8mm width	1/3.2" format 4.5mm width	1/4" format 3.6mm width
DSL215	1.6	2.0	185	185 [FH]	185 [FH]	175 [FH]	135 [FF]

Mechanical DSL215A-NIR (dimensions are in mm):



SUBJECT TO CHANGE WITHOUT NOTICE

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Order samples online at www.optics-online.com