

Miniature Megapixel Fisheye Lens



Description

The DSL219 lens is a miniature fisheye lens designed for up to 8 megapixel resolution. It achieves a field of view of 180 degrees in a compact package. It is suitable for automotive, security and surveillance applications.

Key Features

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

Applications

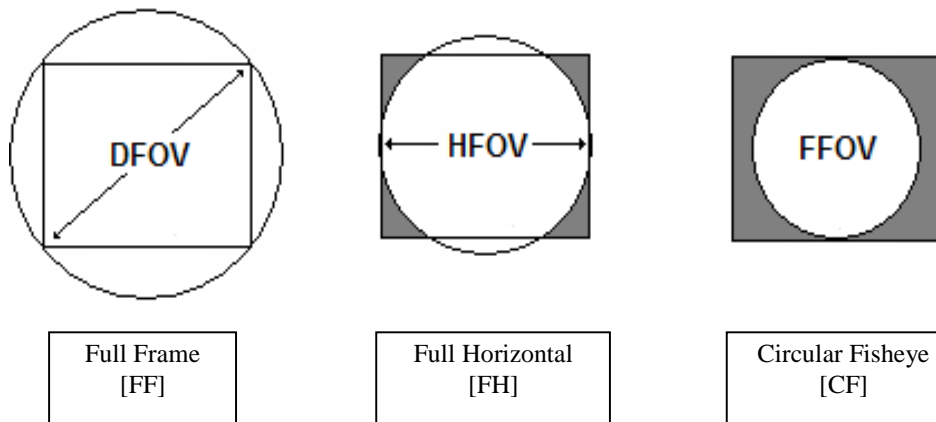
- Automotive
- Security and surveillance

Optical Specifications

Sunex P/N: DSL219	
Description	Miniature fisheye lens
Image Circle [mm]	5.2
Focal Length [mm]	1.8
Imager Resolution	Up to 8 megapixel
F/#	2.0
Distortion [f- θ]	-7.7% [departure from f- θ]
Horizontal Field of View	180°
Relative Illumination	91%
Chief Ray Angle	15.5°
IR Cut-off Filter Option	With filter: DSL219A No filter: DSL219A-NIR
Lens Barrel Thread*	M12x0.5

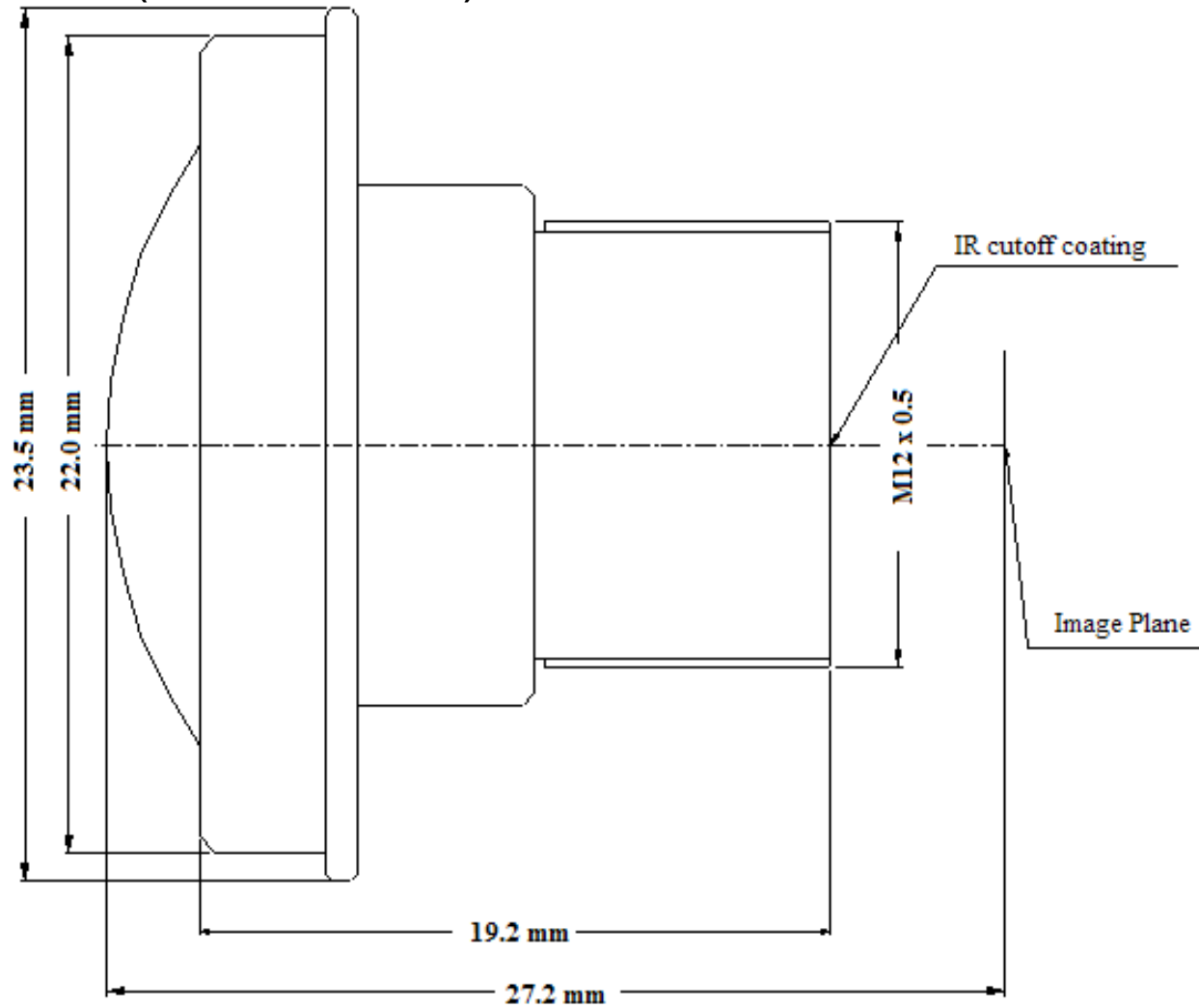
*Adaptor to C-mount available separately

Image Circle vs. Sensor Format



				Horizontal Field Of View (deg)			
Sunex PN	EFL (mm)	F/#	Lens FOV (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
DSL219	1.8	2.0	180	180 [FH]	160 [FH]	148 [FH]	116 [FF]

DSL219A Mechanical (dimensions are in mm):



SUBJECT TO CHANGE WITHOUT NOTICE

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Order samples online at www.optics-online.com