

Wide-Angle, Multi-Megapixel Lens



Description

The DSL329 lens is a miniature wide-angle lens designed for multi-megapixel sensors. The compact lens provides a maximum field of view of 120 degrees. The lens is suitable for security and surveillance applications and was optimized to provide outstanding resolution on 8-megapixel imagers with sub-2 μ m pixel pitch.

Key Features

- High image quality, suitable for multi-megapixel cameras
- 120-degree horizontal field of view
- Compact size
- All glass elements provide environmental stability

Applications

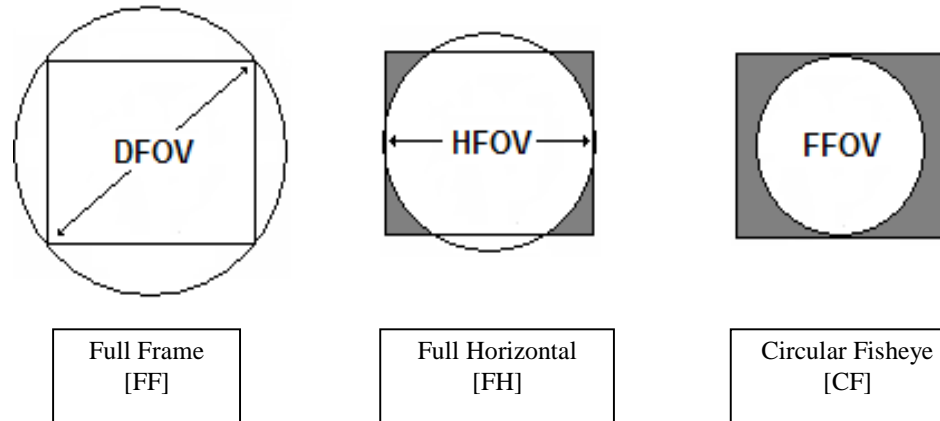
- Security and surveillance

Optical Specifications

Sunex P/N: DSL329	
Description	Miniature wide-angle lens
Image Circle [mm]	5.7
Focal Length [mm]	3.0
Imager Resolution	Multi-megapixel
F/#	1.8
Distortion [f- θ]	-11%
Correction Factor (β)	-0.77
Maximum Field of View	120°
Relative Illumination	97%
Chief Ray Angle	14°
IR Cut-off Filter Option	With filter: DSL329A No filter: DSL329A-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
DSL329	3.0	1.8	120	120[FH]	99[FF]	92[FF]	71[FF]

