

Wide-Angle, Low Distortion Multi-Megapixel Lens



Description

The DSL355 lens is a miniature wide-angle lens designed for multi-megapixel sensors. The compact lens provides a maximum field of view of more than 80 degrees. The lens is suitable for security and surveillance, video-conferencing or sports camera applications and was optimized with minimal distortion and to provide outstanding resolution on sensors up to 5-megapixel resolution.

Key Features

- High image quality, suitable for multi-megapixel cameras
- 70° Horizontal Field Of View on 1/2.5" imagers
- Compact size
- Hybrid design for optimum performance

Applications

- Security and surveillance
- Telecom and video-conferencing
- Sport cams

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Optical Specifications

Sunex P/N: DSL355	
Description	Miniature wide-angle lens
Image Circle [mm]	7.2
Focal Length [mm]	4.2
Imager Resolution	Multi-megapixel
F/#	2.8
Distortion	-4% (full field)
Construction	Hybrid
Maximum Field of View	78° (70° HFOV on 1/2.5" Format)
Relative Illumination	90% (full HFOV)
Chief Ray Angle	<6° (full field)
IR Cut-off Filter Option	With filter: DSL355A-650-F2.8 No filter: DSL355A-NIR-F2.8
Lens Barrel Thread	M12x0.5

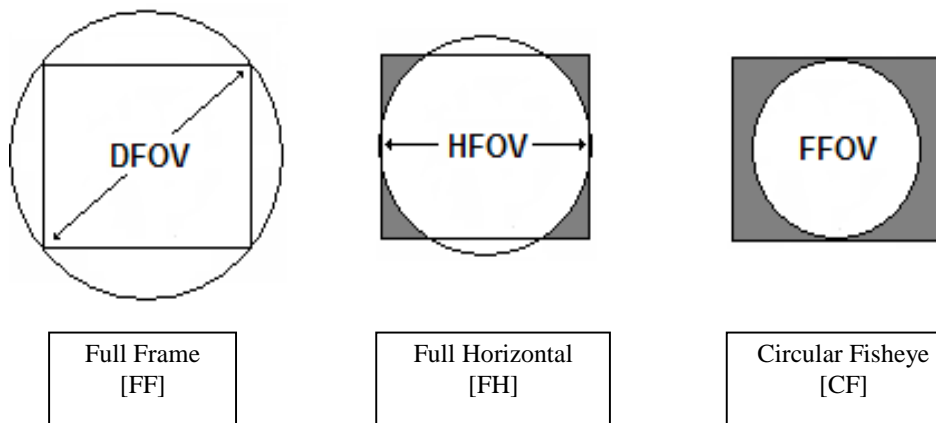
Sunex Inc.

Telephone: +001 760.602.0988

Order samples online at www.optics-online.com

Image Circle and Field of View

Image Circle vs. Sensor Format

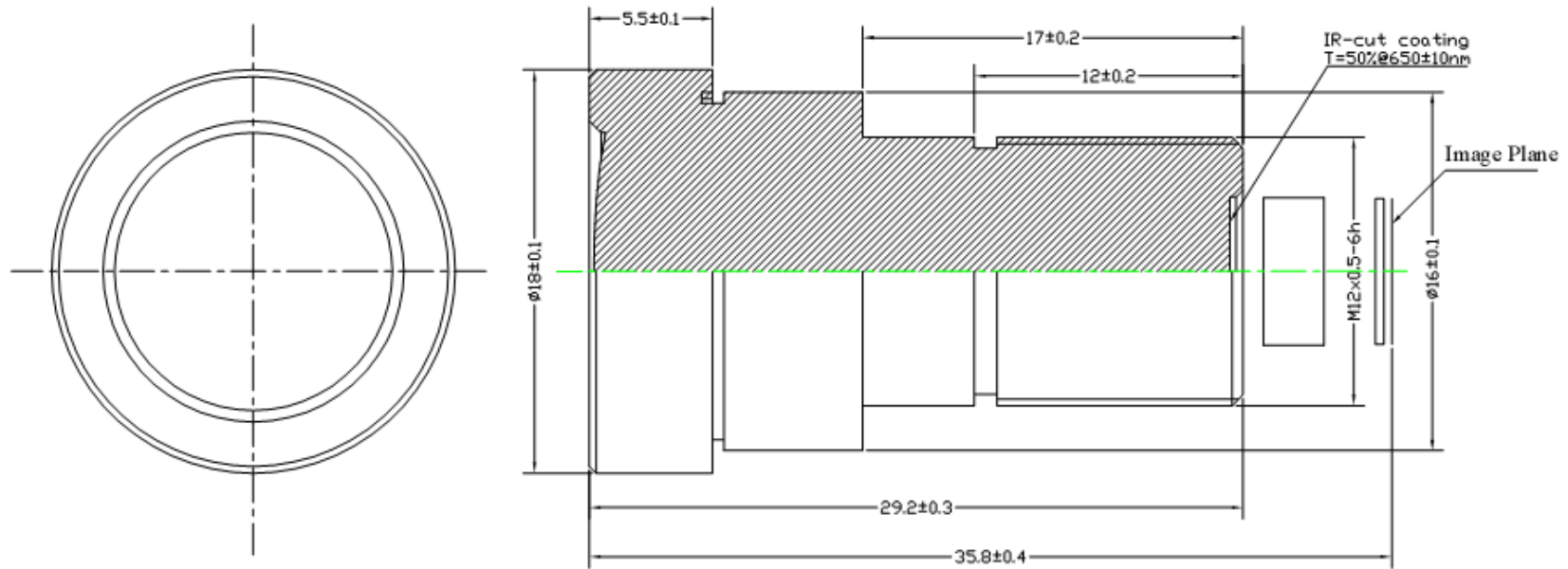


				Horizontal Field Of View (deg)			
Sunex PN	EFL (mm)	F/#	Lens FOV (deg)	1/2.5" format 5.6mm width	1/3" format 4.8mm width	1/3.2" format 4.5mm width	1/4" format 3.6mm width
DSL355	4.2	2.8	84	70[FF]	61[FF]	58[FF]	48[FF]

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DSL355A/DSL355A-NIR Mechanical Dimensions: (mm)



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