

## Compact DSC Lens For (1/2.7") CCD Imager

### Description

DSL903 lens is a multi-element glass lens optimized for (1/2.7") format CCD and CMOS imagers. It has excellent low-light performance due to its large aperture. It is especially suited for building high-quality, compact digital cameras because of the low-profile property of the lens design.

### Key Features

- Low profile: optical path length <12.7mm from lens front physical surface to the image plane
- All glass elements: compatible with outdoor environment
- Aperture F/2.8: good for low-light situation, long depth of focus, optimized for fixed focus operation
- High image quality (MTF)
- Compatible with optional optical-low pass filter.

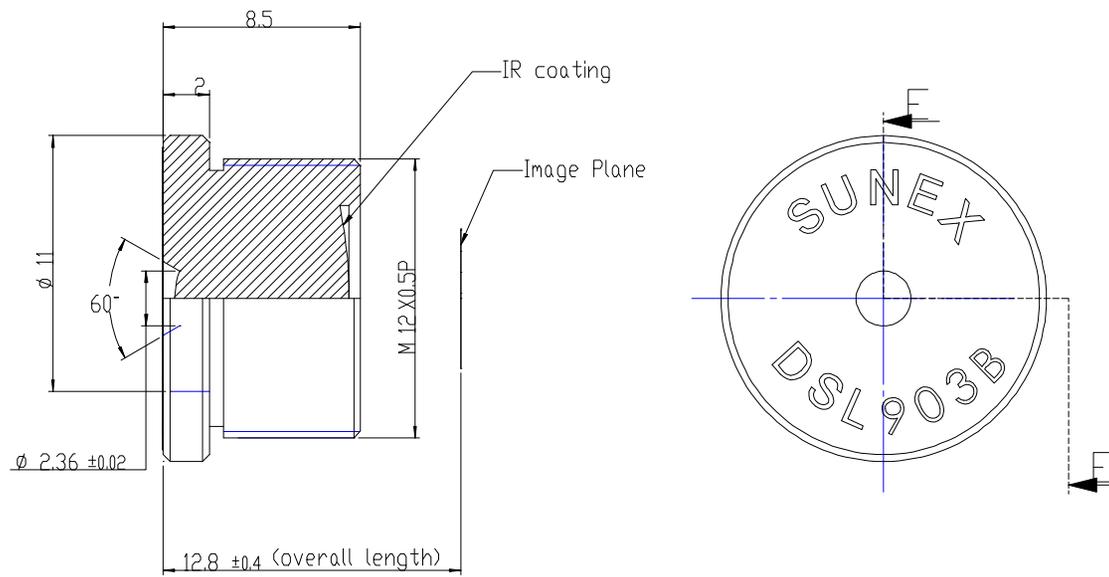
### Applications

- Compact digital still cameras with high image quality
- DSL903C has compact barrel M10x0.5
- DSL903B has standard M12x0.5 barrel.

### Optical Specifications

PN	DSL903
Description	Compact DSC lens
Imager Format	~1/2.7"
Imager Resolution	1.3-2.1M
Focal length (mm)	6.6
F/#	2.8
Max. Image Circle(mm)	6.8
Diagonal Field of View (deg)	55.2
35mm Equivalent Focal Length (mm)	42
Modulation Transfer Function (MTF)	See MTF data for details
Resolution	See MTF data for details
Distortion	-1.86%
Corner chief ray angle (deg)	8.6
Relative Illumination	60%
Total optical path length (mm)	12.91 with OLPF 12.00 without OLPF
Mechanical	See below
Filter Option	C version has NO IR B version has IR coating
Lens mount option	Various

Mechanical Dimension (DSL903B version):



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Mechanical Dimension (DSL903C version):

