

## Wide-Angle Lens for 1/3" Format Imagers

### Description

The DSL224 lens is a miniature wide-angle lens optimized for 1/3" format imagers. The wide field of view, low F-number, and low distortion make this lens ideal for security and automotive applications.

### Key Features

- Wide field of view : 134 deg HFOV on 1/3" imager
- Excellent low light performance: F/2.0 aperture
- All glass elements providing environmental stability
- Distortion: f- $\theta$  type (image height is proportional to the input angle  $h=f*\theta$  where f is the focal length).

## Optical Specifications

Sunex PN DSL224	
Description	Wide angle lens
Image circle	1/3" format
Focal length (mm)	2.16 mm
Back focal length (mm)	5.65 mm
F/#	2.0
Distortion	-53% (departure from f- $\theta$ ) at +/-67 deg
Horizontal field of view on 1/3" imager	134 deg
Resolution	See MTF chart
Relative illumination	63% at full field
Chief ray angle	18.2 deg
Filter Option	Optional -NIR: no IR cut-off coating
Lens barrel thread	M12x0.5

Mechanical Dimensions for DSL224A (units are in mm)

