

## High Brightness Lens For 1/4" Format VGA CMOS Imager

### Description

DSL105 lens is a multi-element hybrid lens optimized for VGA CMOS imager in a 1/4" format. It is especially suited for building high brightness PC cameras for in-door applications.

### Key Features

- Large lens aperture F/1.5: good for indoor low-light applications
- Hybrid lens structure: glass + plastic aspheric
- High image quality: optimized for VGA resolution
- Integrated IR cut-off filter
- Low-cost

### Applications

- PC Cameras
- Security cameras for low-light situation

### Optical specifications

PN	DSL105
Description	Standard PC CAM lens
Imager Format	1/4"
Imager Resolution	640x480
Focal length (mm)	4.5
F/#	1.5
Max. Image Circle(mm)	4.8
Diagonal Field of View (deg)	56.1
35mm Equivalent Focal Length (mm)	39.4
Modulation Transfer Function (MTF)	See MTF data for details
Resolution	See MTF data for details
Distortion	-5%
Corner chief ray angle (deg)	5.57
Relative Illumination	75%
Total optical path length (mm)	27
Mechanical	See below
Filter Option	IR-cut filter included
Lens mount option	CMT103

Mechanical Dimension:

