

## High Brightness Lens For 1/5" Format VGA CMOS Imager

### Description

DSL107 lens is a multi-element hybrid lens optimized for VGA CMOS imager in a 1/5" format. The F/1.5 version is especially suited for building high brightness PC cameras for in-door applications. The F/2.4 version is suited for dual-mode cameras.

### Key Features

- Large lens aperture F/1.5: good for indoor low-light applications
- F/2.4 version: good for dual-mode cameras
- Hybrid lens structure: glass + plastic aspheric
- High image quality: optimized for VGA resolution
- Integrated IR cut-off filter
- Low-cost

### Applications

- PC Cameras
- Dual-mode cameras
- Security cameras for low-light situation

### Optical specifications

PN	DSL107
Description	Standard PC CAM and DSC lens
Imager Format	1/5"
Imager Resolution	640x480
Focal length (mm)	3.48
F/#	F/1.5 for A version F/2.4 for C version
Max. Image Circle(mm)	3.7
Diagonal Field of View (deg)	56.0
35mm Equivalent Focal Length (mm)	39.5
Modulation Transfer Function (MTF)	See MTF data for details
Resolution	See MTF data for details
Distortion	-3%
Corner chief ray angle (deg)	6.2
Relative Illumination	72%
Total optical path length (mm)	20.5
Mechanical	See below
Filter Option	IR-cut coating included
Lens mount option	CMT107

Mechanical Dimension:

