



Description

The DSL863 is a lens specifically designed for automotive application.

It has high thermal stability, lower flare and ghost. Balance quality at F#, RI, CRA etc.

It supports high dynamic range imaging to effectively suppress glare and reflections, maintaining excellent visual performance even in bright or low-light environments.

Key Features

- HFOV ~ 30° on 1/2.5" format sensors
- Sunex LowGhost™ HDR
- Excellent low light performance: F/1.8 aperture
- Compact Board-Mount size

Optical Specifications

Sunex PN DSL863	
Description	All Glass
Imager Format	1/2.5"
Nominal Image Resolution	3MP
Focal length	10.8mm
Relative Aperture (F/#)	1.8
Design Image Circle	41° at 8mm image circle
Field of View	30° at 5.76mm image circle 20.2° at 3.84mm image circle
Total Track Length	20mm
Distortion	-0.44% at 6.93mm image circlelinear
Chief Ray Angle	24.4°at 6.93mm Image circle
IR cut-off filter	700nm/NIR optional

Applications

- Automotive ADAS
- Security and Surveillance cameras
- Wearable and Drone cameras
- Video Conferencing

DSL863B-700-F1.8 Mechanical Dimensions [mm]:

Note: DSL863 is intended for use with Sunex CMT863 mount.

Note:

- 1.F#: 1.8±5%;
- 2.EFL:10.8±5%mm;
- 3.Barrel and cap material: Black anodized AL6061;
- 4.IR Coating: T=50%@700±10nm;
- 5."Sunex": capital letter "S" font and height: Arial 0.7mm ,
small letters "unex" are set with the program;
- 6.DMC size: 2.4mm×2.4mm
The number of lettering digits is 13 digits, and the
lettering format is as follows:
863 B F C Y M D XXXX
Product series : 863;
Version number : B;
IR-cut : F , F mean 700;
F# : C , C mean 1.8;
Year : Y , such as 2024 is 4;
Month : M , January to September is 1-9, October
to December is A-C;
Date : D , 1 to 9 day is 1-9, 10 to 31 Day is A-V;
Serial number: XXXX;
(0000-9999 , and after exceeding it, A represents 10 .
For example, A000 is 10000, and so on, B-I)
- 7.Example of DMC format:863BFC45S0001

