

Wide-angle HDR Day/Night Lens



Description

The DSL186 is a miniature, wide-angle, hybrid lens designed for 1/1.7" imagers with 8MP HD resolution. Optimized for Day/Night operation and having a low F/# makes this lens ideal for applications using NIR light and low-light conditions. The HDR of the DSL186 also makes this lens adaptable to fluctuating light conditions.

Key Features

- Day/Night Optimized
- F/1.8 for excellent low-light performance
- Hybrid, lightweight construction

Optical Specifications

Sunex PN DSL186	
Description	4k, HDR, Day/Night lens
Imager Format	1/1.7"
Nominal Imager Resolution	8MP
Focal Length	4.1mm
Relative Aperture (F/#)	1.8
Image Circle	8.85mm
Field of View	140° @8.85mm image circle
Total Track Length	25mm
Distortion	-11% f- θ
Chief Ray Angle	20° @8.85mm image circle
IR cut-off filter	Optional IR cut-off filter, IRC41

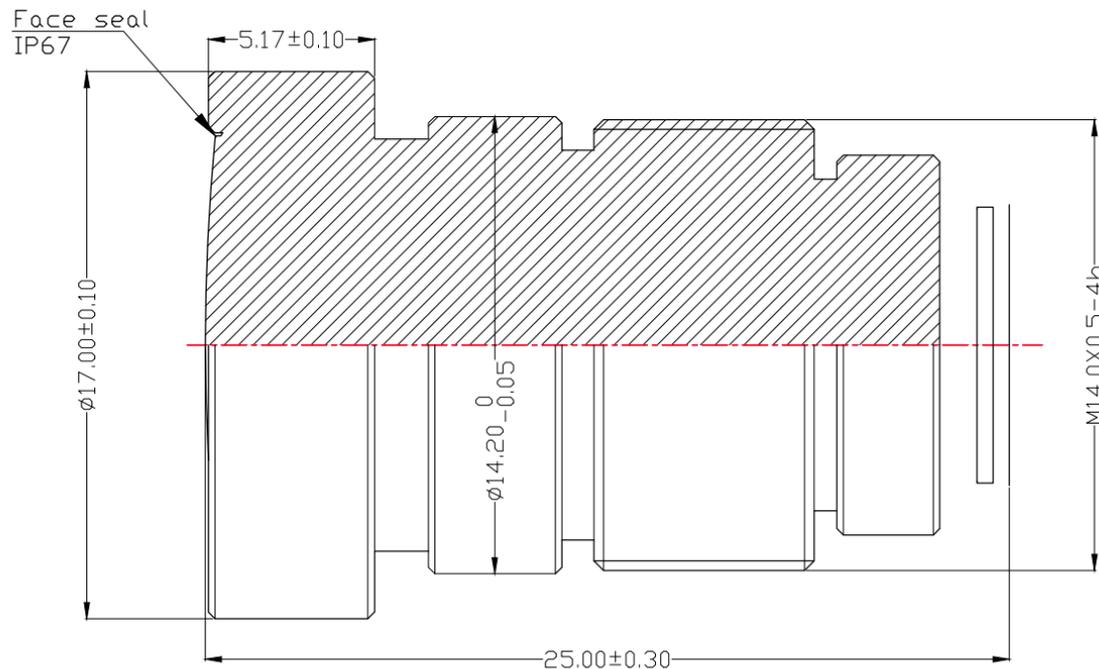
Applications

- Security/ Surveillance
- Sports and action cameras
- Video conferencing

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DSL186A-IRC41-F1.8 and DSL186A-NIR-F1.8 Mechanical Dimensions [mm]:

DSL186 was designed to be compatible with the CMT186 Mount.



Notes:

- 1.EFL=4.1±5%;
- 2.F#=1.8±0.1;
- 3.Barrel Material:AL6061
Cap Material: AL6061

For Reference Only