

25mm F/1.4 SWIR Imaging Lens, D1811-01

Data Sheet



Description

The Beck Optronics 25mm F/1.4 fixed focal length lens is a compact and lightweight lens designed, optimised and anti-reflection coated for applications in the Short Wave Infrared (SWIR) waveband (0.7-1.7µm).

This lens is ideal for many applications including security, solar cell, fruit and vegetable inspection, quality control, machine vision and biomedical imaging.

Designed with an image format of 25.6mm diameter, it is suitable for use with all the major area and linear array cameras available on the market.



Focal Length	25mm
Aperture (F/#)	f/1.4 – f/22, lockable
Focus range	1m- ∞, continuous adjustment, lockable
Image size	25.6mm diameter
Distortion	<2%
Anti-reflection coating	R<0.5% average, R<1% maximum 700nm – 1.7µm
Filter thread	M37 x 0.5
Camera mount	C-Mount (other options available)
Length at near focus	68mm (from C-Mount flange)
Length at far focus	63.5mm (from C-Mount flange)
Mass	225g

Sensor size (diagonal)	10.2mm ¹	12.3mm ¹	16.0mm ²	20.5mm ³	20.5mm ¹	25.6mm ³
Field of View	18.3°	21.9°	105.4°	36.0°	45.5°	55.8°

¹5:4 Aspect Ratio

²4:3 Aspect Ratio

³Linear Sensor

- ROHS compliant
- OEM styling available
- Other focal lengths are available in the Beck range of SWIR lenses – contact Beck for details

About Beck Optronic Solutions

BOS has a reputation for excellence in design and manufacture of precision optics that can be traced back over 175 years. Based near London, UK, BOS delivers complex, integrated electro-optic systems for defence and commercial use across the electromagnetic spectrum from UV to LWIR.

For pricing or further information please contact us at:

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