

## Description

Beck Optronics Solutions has designed and manufactures a high performance fixed focal length lens suitable for detecting targets at long ranges in the visible and Short Wave Infra-Red (SWIR) wavebands.

- High durability.
- Sealed to IP67.
- Can be modified to suit specific requirements.



## Specification

Focal Length	300 mm
F/#	3.6
Maximum detector diagonal	22 mm
Field of View	3.05° x 2.45° with 640 x 512, 25 µm pitch detector 1.85° x 1.45° with 640 x 512, 15 µm pitch detector 2.45° x 1.95° with 1,280 x 1,024, 10 µm pitch detector 0.65° x 0.50° with 656 x 520, 5 µm pitch detector 1.20° x 1.00° with 1,280 x 1,024, 5 µm pitch detector
Distortion	<0.05%
Operating waveband	450 nm to 1,700 nm
Average transmission	>90% 450 nm to 1,700 nm
MTF	>50% average at 30 lp/mm >35% average at 50 lp/mm >20% average at 100 lp/mm
Interface	C Mount
Mass	2.54 kg
Dimensions	160.5 mm long (to image plane) x 136 mm diameter
Operating Temperature Range	-30°C to +65°C
Storage Temperature Range	-40° C to +70°C

### About Beck Optronics Solutions

Beck has a reputation for excellence in design and manufacture of precision optics that can be traced back over 175 years. Based near London, UK, Beck 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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