

LENS OB-LWIR20/1.0 – P/N C1758.004

General Description

This family of good resolution LWIR lenses image from 8 to 14 μm making them especially well-suited for heat sources detection (vehicles and/or people) with thermal imagers. A high F/N and excellent transmission characteristics allow superior performances in these wavelengths of interest.



Basic optical and mechanical parameters

Focal length	20 mm
Image format (diagonal)	13.6 mm
F.O.V. (diagonal)	37.5 degrees
Max aperture	F/N = 1.0
Detector size	640x480, 17 μm
Min working distance	2 m
Zoom value	N.A.
Focus	Manual
Back Focus Distance	13.3 mm
Back Working Distance	8.3 mm

Transmission Ave	> 85%
Dimensions	Dia 40 x 36 mm
Weight	100 gr
Environmental	
Operating Temp.	-20°C to +60°C
Storage Temp.	-40°C to +80°C
External Coating	AR/DLC available
Humidity	100%RH @ 26°C
	74%RH @ 35°C - 24h

P/N	wavelength range	mount type	note
C1758.004	8-14 μm	M34x0.75	

Specification are subject to change without notice