

LENS OB-LWIR7.5/1.0 – P/N C1758.001

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	7.5 mm	Transmission Ave	> 85%
Image format (diagonal)	13.6 mm	Dimensions	Dia 36 x 32 mm
F.O.V. (diagonal)	84.4 degrees	Weight	50 gr
Max aperture	F/N = 1.0	Environmental	
Detector size	640x480, 17 μm 384x288, 25 μm	Operating Temp.	-20°C to +60°C
Min working distance	0.5 m	Storage Temp.	-40°C to +80°C
Zoom value	N.A.	External Coating	AR/DLC available
Focus	Manual	Humidity	100%RH @ 26°C
Back Focus Distance	16 mm		74%RH @ 35°C - 24h
Back Working Distance	11 mm		

P/N	wavelength range	mount type	note
C1758.001	8-14 μm	M34x0.75	

Specification are subject to change without notice