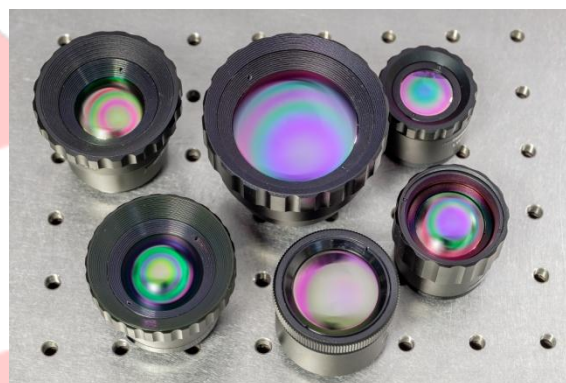


# LENS OB-LWIR75/1.0 – P/N C1758.008

## General Description

This family of good resolution LWIR lenses image from 8 to 14  $\mu\text{m}$  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	75 mm	Transmission Ave	> 90%
Image format (diagonal)	13.6 mm	Dimensions	Dia 100 x 90.12 mm
F.O.V. (circular)	10.3°	Weight	650 gr
Max aperture	F/N = 1.0	<b>Environmental</b>	
Detector size	640x480, 17 $\mu\text{m}$ 384x288, 25 $\mu\text{m}$	Operating Temp.	-20°C to +60°C
Min working distance	3 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
C1758.008	8-14 $\mu\text{m}$	M34x0.75	

Specification are subject to change without notice