

OTL

CR-15F1-25-225

25-225 mm LWIR ZOOM LENS

F/1.0-1.5 • Electric Focusing

8-12 μm Long-Wave Infrared

1280 $\times$ 1024 Detector | 12 μm Pixel Size



ILLUSTRATIVE RENDER

F/1.0-1.5 APERTURE

F-number range

25-225 mm ZOOM

$\pm 5\%$ focal-length tolerance

LWIR BAND

8-12 μm spectral range

ELECTRIC FOCUS

3 m to infinity

Advanced Imaging for a Safer World

omnitechlink.com



OTL- CR-15F1-25-225 LWIR Zoom Lens

25–225 mm ±5% | F/1.0–1.5 | 1280 × 1024 (12 μm) | Technical Datasheet

PRODUCT OVERVIEW

The source describes a long-wave infrared zoom lens with a 25–225 mm focal-length range and F-number range of 1.0–1.5. It also lists an 8–12 μm spectral range, 1280 × 1024 detector format with 12 μm pixel size, and electric focusing.

OPTICAL SPECIFICATIONS

Property	Value	Remarks
Focal length	25–225 mm ±5%	
F-number	1.0–1.5	
Spectral range	8–12 μm	
Average transmission (8–12 μm)	≥84	Percent sign not shown in source
Detector type / size	1280 × 1024 (12 μm)	
Field of view (FOV)	34.2° × 27.6° to 3.9° × 3.1°	
Focusing range	3 m to infinity	Source notation: 3M–∞

MECHANICAL SPECIFICATIONS

Property	Value	Remarks
Focus mechanism	Electric focusing	
Weight	3600 g ±5%	
Dimensions	Ø190 mm / L258.6 mm	Source table notation
Installation mode	Not specified in source	

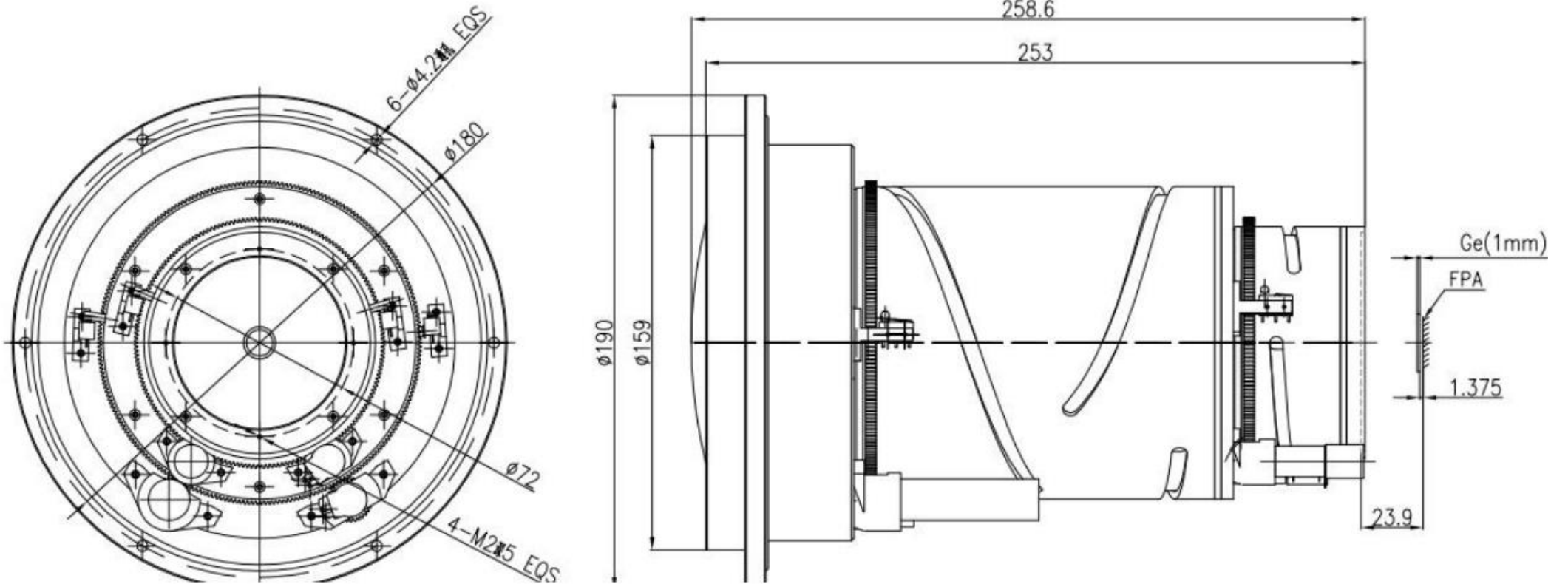
ENVIRONMENTAL SPECIFICATIONS

Property	Value	Remarks
Operating temperature	–40°C to +60°C	
Storage temperature	–45°C to +70°C	
Front lens sealing	IP67 (lens only)	
Shock and vibrations	Not specified in source	

Dimensions & Mechanical Drawing

OTL- CR-15F1-25-225 | Original engineering drawing

Complete front and side views, including the FPA and 1 mm germanium-window callouts. Dimensions have not been redrawn.



Original Source Reference

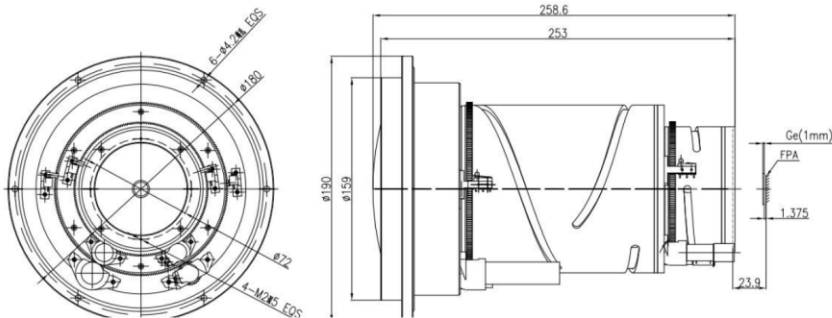
Original one-page source PDF, with OTL branding in the logo area

Source page retained as a visual cross-check; the editable tables on the preceding page are the primary English specification reference.

OTL

LWIR

CR-15F1-25-225 25-225mm F/1.0-1.5



Property

Optical

Focal Length	25~225mm±5%
F/#	1.0-1.5
Spectral Range(μm)	8~12
Average Transmission(8~12μm)	≥84
Detector Type/size	1280X1024 12um
FOV(°)	34.2° ×27.6° ~3.9° ×3.1°
Focusing range	3M-∞

Mechanical

Focus Mechanism	Electric focusing
Weight	3600g±5%
Dimensions	190mm/L258.6mm
Installation Mode	

Environmental

Operating Temperature	-40° C~+60° C
Storage Temperature	-45° C~+70° C
Front Lens Sealing	IP67(Only Lens)
Shock and Vibrations	



Contact Us: info@omnitechlink.com

www.omnitechlink.com



Headquarter: Via Real Collegio n. 2210024 Moncalieri (TO) Italy Tel: +3901119117660 Fax: +390110432483

MENA Branch: Business Center 1, M Floor, The Meydan Hotel, And Al Sheba, Dubai, U.A.E Tel: +971507127998

