

OTL

OTL- 1520

15-300 mm MWIR ZOOM LENS

Mid-Wave Infrared • 3-5 μm

F/4 • 640 × 512 detector • 15 μm pixel size

Motorized focus • 12-30 VDC



ORIGINAL PRODUCT RENDER

15-300 mm ZOOM

Continuous focal range

3-5 μm MWIR

Mid-wave infrared band

MOTORIZED FOCUS

Electric focus mechanism

IP66 FRONT LENS

Front-lens sealing

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OTL- 1520 MWIR Zoom Lens

15–300 mm | F/4 | 640 × 512 detector | Technical Datasheet

PRODUCT OVERVIEW

The source describes a mid-wave infrared continuous zoom lens with a 15–300 mm focal-length range and motorized focusing. It lists a 3–5 μm spectral range, F/4, a 640 × 512 detector array with 15 μm pixel size, and a field of view of 51.28° × 42.01° at the wide end and 1.83° × 1.47° at the narrow end.

OPTICAL SPECIFICATIONS

Property	Value	Remarks
Focal length	15–300 mm	
F-number / detector	F/4; 640 × 512 array; 15 μm pixel size	
Spectral range	3–5 μm	
Field of view (FOV)	51.28° × 42.01° (wide); 1.83° × 1.47° (narrow)	
Optical coatings	First lens: DLC protective coating; internal lenses: high-transmittance anti-reflection coating	
Distortion	<4%	

MECHANICAL SPECIFICATIONS

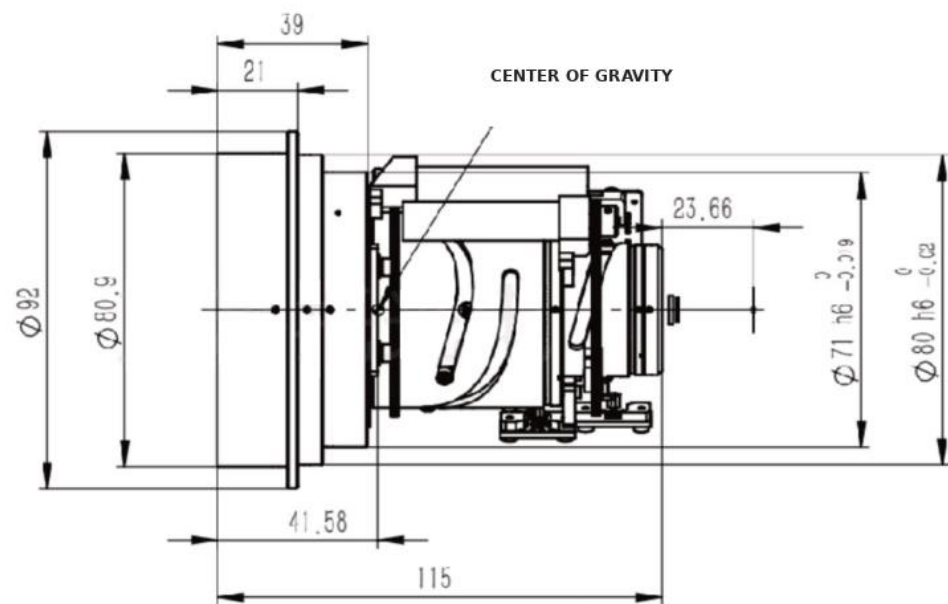
Property	Value	Remarks
Focus mechanism	Motorized focus	
Driving voltage	12–30 VDC	
Weight	0.7 kg	Source states 0.7 kg
Dimensions	92 mm diameter × 126 mm length	Source: 92 mm (D) × 126 mm (L)

ENVIRONMENTAL SPECIFICATIONS

Property	Value	Remarks
Operating temperature	–40°C to +60°C	
Storage temperature	–40°C to +70°C	
Front lens sealing	IP66	

Drawing note: the source contains a center-of-gravity callout, translated as “CENTER OF GRAVITY” on the drawing page. All dimension figures are preserved from the supplied PDF.

OTL- 1520 MWIR Zoom Lens



English Reference Sheet

OTL

OTL- 1520 | MWIR Zoom Lens

15-300 mm • 3-5 μm • F/4 • Motorized Focus

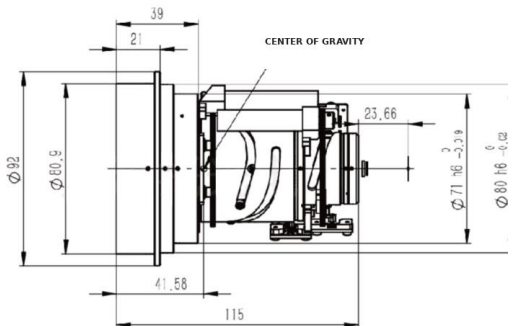
PRODUCT OVERVIEW

Mid-wave infrared continuous zoom lens with motorized focus.

Focal length: 15-300 mm; detector: 640 $\times$ 512; pixel size: 15 μm .



MECHANICAL DRAWING — ENGLISH CALLOUTS



Original dimension drawing; callout translated as "CENTER OF GRAVITY."

TECHNICAL SPECIFICATIONS

PROPERTY	VALUE	REMARKS
OPTICAL		
Focal length	15-300 mm	
F-number / detector	F/4; 640 $\times$ 512 array; 15 μm pixel size	
Spectral range	3-5 μm	
Field of view (FOV)	51.28° $\times$ 42.01° / 1.83° $\times$ 1.47°	Source order retained
Optical coatings	First lens: DLC protective coating; Internal lenses: high-transmittance anti-reflection coating	
Distortion	<4%	
MECHANICAL		
Focus mechanism	Motorized focus	
Driving voltage	12-30 VDC	
Weight	0.7 kg	
Dimensions	92 mm (D) $\times$ 126 mm (L)	
ENVIRONMENTAL		
Operating temperature	-40°C to +60°C	
Storage temperature	-40°C to +70°C	
Front lens sealing	IP66	



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