

OTL



30–300 mm LWIR MOTORIZED CONTINUOUS ZOOM LENS

10× Zoom | 8–12 μm Spectral Range
Motorized Focus | Long-Wave Infrared



10× CONTINUOUS ZOOM
30–300 mm focal length



FAST APERTURE
F/0.8 at 30 mm • F/1.3 at 300 mm



LONG-WAVE IR
8–12 μm spectral range



MOTORIZED FOCUS
DC 6–12 V drive

Advanced Imaging for a Safer World

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OTL- 30–300 mm LWIR Zoom Lens

Motorized Focus | 10× Continuous Zoom | Technical Datasheet

PRODUCT OVERVIEW

The 30–300 mm lens is described in the supplied specification as a long-wave infrared continuous zoom lens with motorized focus. The source lists a 10× continuous zoom range, an F-number that varies from F/0.8 at 30 mm to F/1.3 at 300 mm, and an 8–12 μm spectral range.

All Chinese labels on the source page are translated into English in the editable table below. Numeric values and notation are kept as shown in the supplied file.

OPTICAL SPECIFICATIONS

Property	Specification	Remarks
Focal Length	30–300 mm (10× continuous zoom)	
F-number	F/0.8 at 30 mm; F/1.3 at 300 mm	Source notation: 0.8@30 / 1.3@300
Spectral Range	8–12 μm	
Field of View (FOV)	At 300 mm / at 30 mm: 1.4° × 1.1° / 14.5° × 11.6°	640 × 512, 12 μm detector
Exposed Mirror Coating	DLC (front-end)	Source wording retained

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

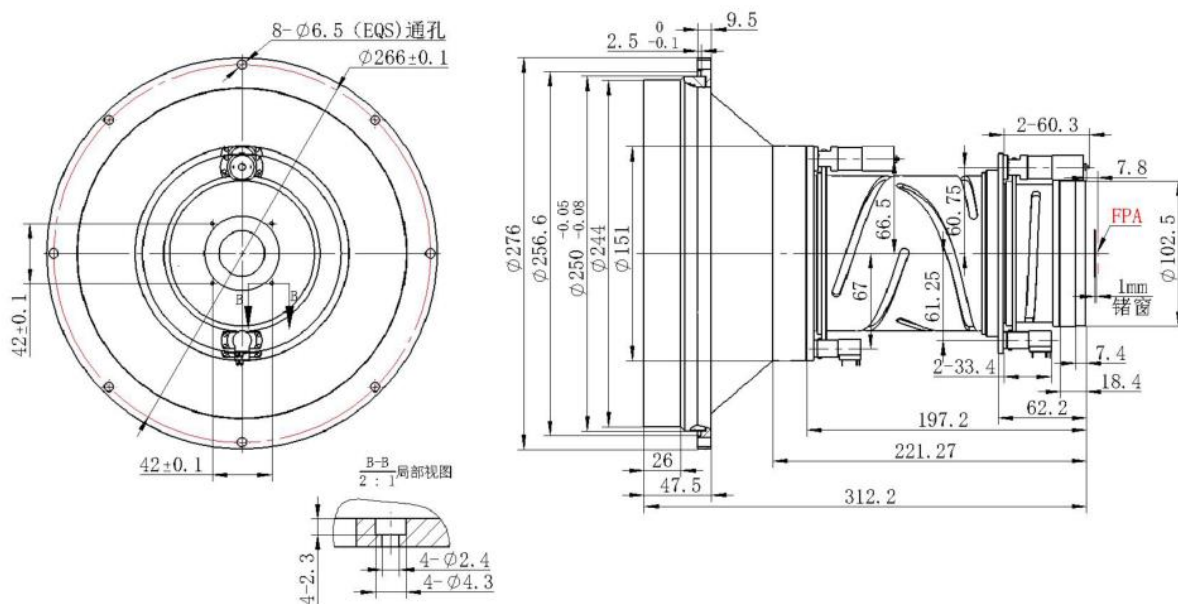
Property	Specification	Remarks
Driving Voltage	DC 6–12 V	
Weight	<7.35 kg	
Dimensions	φ276 × L312.2 mm	Original table labels dimension unit as mm
Operating Temperature	–40°C to 60°C	Source displays “–40°C–60°C”
Storage Temperature	–45°C to 70°C	Source displays “–45°C–70°C”

REVIEW NOTE: Field-of-view values are transcribed in the source's stated f300/f30 order. Temperature endpoints are shown according to the source notation; confirm the intended sign/range with the supplier before publication.

Dimensions & Mechanical Drawing

Original drawing from the supplied 30–300 mm lens specification

The original mechanical illustration is reproduced below. The dimension callouts and drawing geometry are preserved from the source page; refer to the supplier drawing for final installation and interface verification.



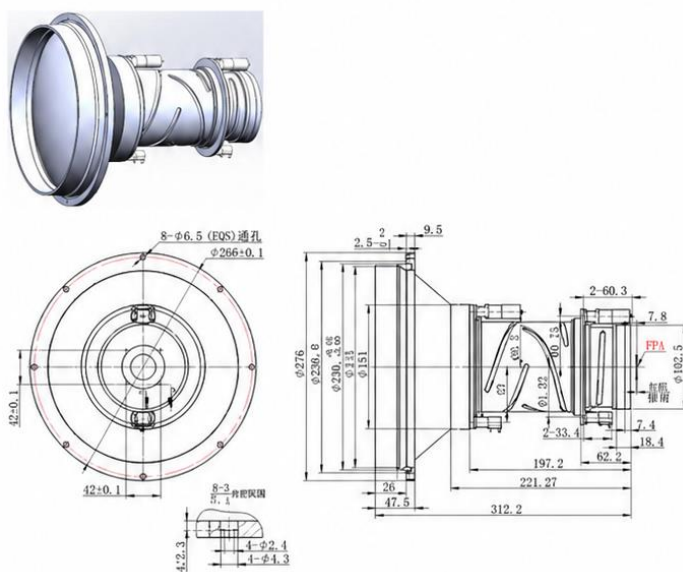
Original Source Reference

Original 1-page PDF provided for comparison

The original source page is retained below as a visual reference for checking the translated English labels, source layout, image, and technical notation.

OTL

30-300mm Motorized Continuous Zoom
Long-Wave Infrared Continuous Zoom Lens
Motorized Focus



Property	Value	Remarks
Optical		
Focal Length	30-300(10X continuous zoom)	
F/#	0.8@30/1.3@300	
Spectral Range (μm)	8-12um	
Field of View (FOV)	f300/f30 1.4°X1.1°/14.5°X 11.6° （640X512 12um）	
Exposed Mirror Coating	DLC (front-end)	
Mechanical Components		
Driving Voltage	DC 6-12V	
Weight	<7.35kg	
Dimensions (mm)	φ 276×L312.2	
Operating Temperature	-40°C-60°C	
Storage Temperature	-45°C-70°C	

