IR Microscope Conversion Kit

Series 314

Irestle Optics

Features:

Ultra broadband FT-IR micro transmission Thermal Achromatic NIR-MIR Multiphoton Diffraction limited performance Sum freque Easy integration into Existing microscopes

Applications:

FT-IR microscopy Thermal Multiphoton Photothermal Sum frequency generation

Product Description:

Designed for laser scanning, high resolution imaging, these lenses are ideal for biomedical and thermal imaging applications. The 180 mm focal length tube lens is ideal for simple integration into Olympus microscopes. Scan/tube lens system idea for optical relay between scanning mirrors and pupil of objective lens. Diffraction limited performance in the NIR and MIR with color correction in the visible. Compatible with ultrafast sources.

Specifications:

Housing	6061-T6 Aluminum Barrel	
Transmission	T> 90% (800nm- 4.0µm)	
Focal length tolerance	±1% at 1030 nm	
Irregularity per surface	<λ/2 at 633 nm	
Surface Quality	60-40 Scratch-Dig	
Operation Wavelengths	800 nm- 4.0 μm	

Parts:

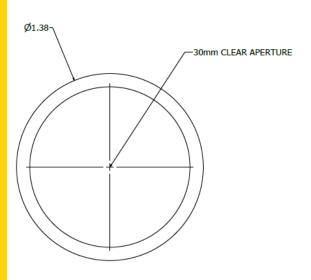
	Scan lens (314-S1)	Tube lens (314-T1)
Focal length	50 mm	180 mm
Clear Aperture	Ø20 mm	Ø30 mm

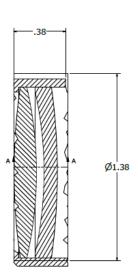
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Mechanical Drawing 314-T1









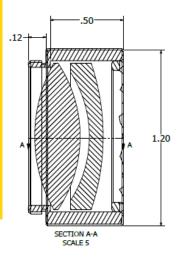
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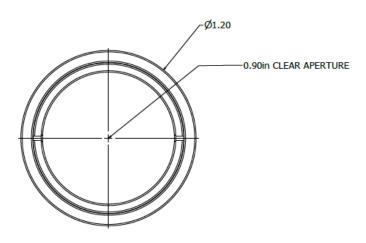
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Mechanical Drawing 314-S1









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