

Olympus LCPLN20XIR 20X NIR Objective

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Olympus LCPLN20XIR 20X NIR Objective






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General

Model Number:	LCPLN20XIR	Compatible Tube Lens Focal Length (mm):	Focal Length: 180mm
Type:	Microscope Objective	Style:	Infinity Corrected
Manufacturer:	Olympus		

Physical & Mechanical Properties

Field of View (mm):	1.10	Length excluding Threads (mm):	36.62
Maximum Diameter (mm):	31.00	Weight (g):	149

Optical Properties

Compatible Cover Glass Thickness (mm):	Glass: 0 - 1.2mm Silicon: 0 - 1.2mm	Focal Length FL (mm):	9.00
Magnification:	20X	Numerical Aperture NA:	0.45
Resolving Power (µm):	0.75	Depth of Field (µm):	1.36
Working Distance (mm):	Glass: 8.38 - 7.63mm Silicon: 8.38 - 7.07mm	Wavelength Range (nm):	400 - 1600
Field Number (mm):	22	Parfocal Length (mm):	45
Immersion Liquid:	N/A	Entrance Pupil Diameter (mm):	8.10

Threading & Mounting

Mounting Threads: RMS / 20.32mm x 36 TPI

Regulatory Compliance

Certificate of Conformance: [View](#)

Product Details

- Long Working Distances to Reduce Risk of Specimen Damage
- Correction Collars to Adjust for Specimen Thickness
- Ideal for Silicon Wafer Inspection

Olympus Plan Achromatic Near-Infrared Objectives provide high transmission between 700 - 1600nm, making them an excellent choice for near-infrared microscopy when coupled with an NIR tube lens. These objectives feature long working distances to reduce the risk of damage to specimens and support up to field number 22 for observation. Magnifications of 20X and higher feature a correction collar to correct for aberrations based on the thickness of either the glass or silicon substrate being inspected. Olympus Plan Achromatic Near-Infrared Objectives are ideal for use in silicon wafer inspection to view the internal structure for defects.

Technical Information

LCPLN20XIR Transmission Graph

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

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MORE+	Olympus Near-Infrared Single Port Tube Lens, 180mm Focal Length		#75-251	£992.00 Request Quote	1 In Stock <input type="text" value="1"/>