

Finite Optical System

Finite optical systems are used in a variety of simple microscopy setups or for OEM integration. Finite optical systems are microscope objectives that do not require a secondary lens to focus onto a specimen. Finite optical systems are typically optimized for use in the visible spectrum. Focusing objectives typically contain about three lens elements, decreasing size and weight. These microscope objectives are less expensive alternatives to Infinite optical systems for a wide range of commercial applications.

Conjugate distance 195mm, Plan achromatic objective

Magnification	NA	WD(mm)
4X	0.10	28.9
10X	0.25	5.84
20X	0.40	1.16
40X	0.65	0.75
60X	0.75	0.49
100X	1.25	0.234



Conjugate distance 195mm, Achromatic objective

Magnification	NA	WD(mm)
4X	0.10	37.5
10X	0.25	6.55
20X	0.40	2.10
40X	0.65	0.66
60X	0.80	0.46
100X	1.25	0.198



Conjugate distance 185mm, Achromatic objective

Magnification	NA	WD(mm)
4X	0.10	27.2
10X	0.25	2.01
20X	0.40	1.40
40X	0.65	0.60
100X	1.25	0.185

