

High Resolution Plan Apochromat Infinity Corrected Objective Lenses

Ideal for industrial imaging applications

Navitar HR plan apochromatic objectives offer high NA, large FOV, and working distances ranging from 10-39mm.

The objective series includes 1X, 2X, 4X, 6X, and 10X resolutions.

- Designed with a parfocal distance of 95mm to be compatible with turret applications
- Apochromatic over 436-656 nm, providing excellent correction of spherical and chromatic aberrations.



Specifications

	High NA / Long W. D.		High NA / Large FOV		
	1X	2X	4X HR	6X HR	10X HR
Part Numbers	1-55282	1-55273	1-55341	1-55401	1-55227
Numerical Aperture	0.04	0.08	0.2	0.3	0.4
Working Distance (mm)	15	39	20	25	10
Focal Length (mm)	200	100	50	33.3	20
Resolving Power	8.3 μ m	4.2 μ m	1.7 μ m	1.1 μ m	0.8 μ m
Depth of Field	$\pm 160 \mu$ m (320 μ m Range)	$\pm 40 \mu$ m (80 μ m Range)	$\pm 6.8 \mu$ m (13.6 μ m Range)	$\pm 3.05 \mu$ m (6.1 μ m Range)	$\pm 1.6 \mu$ m (3.2 μ m Range)
Field Number	22	22	22	22	22
Compatible Tube Lens	EFL=200mm	EFL=200mm	EFL=200mm	EFL=200mm	EFL=200mm
Parfocal Length (mm)	95	95	95	95	95
Mounting Threads	M26 x 36 TPI	M26 x 36 TPI	M26 x 36 TPI	M26 x 36 TPI	M26 x 36 TPI
Wavelength Range	436nm - 656nm	436nm - 656nm	486nm - 656nm	436nm - 656nm	436nm - 656nm
Availability	OEM orders only	OEM orders only	In Stock	In Stock	In Stock