

UV PlanAPO 20X·50X

Super long working distance, near ultraviolet objective lens



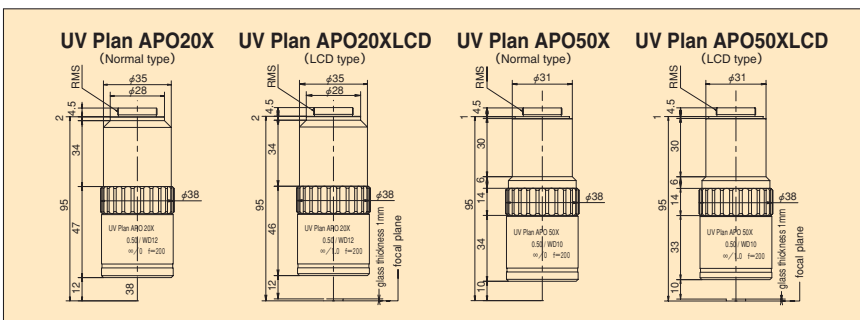
Specification

Model#	UV PlanAPO 20X		UV PlanAPO 50X	
Magnification	20X		50X	
Working distance	12mm		10mm	
Focal length	10mm		4mm	
N.A	0.5		0.5	
Resolution	0.6μm		0.6μm	
Depth of focus	1.1μm		1.1μm	
Wavelength	345-1064nm			
Transmission	55%< (355nm)	60%< (540nm)	50%< (355nm)	70%< (540nm)
Maximum allowable laser energy	0.1J/cm ² @532nm Pulse width 10nsec		0.1J/cm ² @532nm Pulse width 10nsec	
	0.047J/cm ² @355nm Pulse width 10nsec		0.028J/cm ² @355nm Pulse width 10nsec	
Glass correction	-1.0mm (LCD)		-1.0mm (LCD)	
Weight	435g		510g	

Note : Resolution and focal depth of objective lens is calculated using the wavelength of (λ=0.55nm). R=0.61x0.55/N.A Focal depth ±D (μm) = λ / (2 (N.A)²)

Bright field super-long working distance objective lens.

The focal plane is corrected for both Bright Field and Near UV (355nm), meaning both wavelengths will be in focus. System is optimized for high transmission at 355nm, such that a microscope fitted with a yag laser can be used for repair of semiconductor and LCD circuits.



PE IR PlanAPO 2.5X·20X·50X

Near IR lens for Photo emission application



Specification

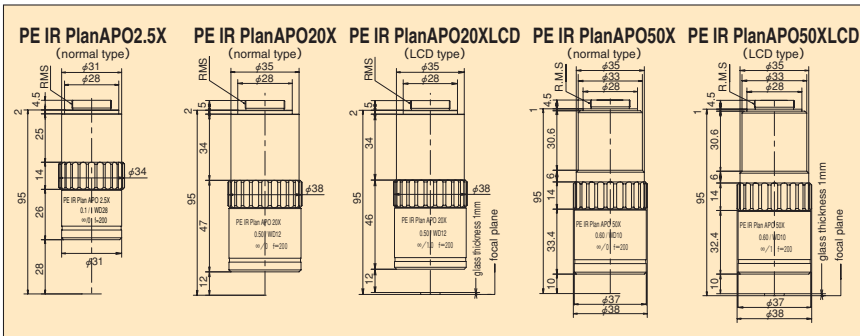
Model#	PE IR PlanAPO 2.5X	PE IR PlanAPO 20X		PE IR PlanAPO 50X	
Magnification	2.5X	20X		50X	
Working Distance	30mm	12mm		10mm	
Focal length	80mm	10mm		4mm	
N.A	0.1	0.5		0.6	
Resolution	3.3μm	0.6μm		0.5μm	
Depth of focus	27.5μm	1.1μm		0.7μm	
Wave length	800-1600nm	400-1600nm			
Transmission	80%< (400-1800nm)	70%< (540nm)	70%< (1300nm)	70%< (540nm)	70%< (1300nm)
Glass correction	-	-1.0mm (LCD)		-1.0mm (LCD)	
Weight	300g	424g		493g	

Note : Resolution and focal depth of objective lens is calculated using the wavelength of (λ=0.55nm). R=0.61x0.55/N.A Focal depth ±D (μm) = λ / (2 (N.A)²)

PE IR Plan APO lenses focus on a specific range of 800nm-1600nm with long working distance and high resolution. PE IR Plan APO is precisely color-corrected with 0 focal shift between these two wavelengths.

Available in a 2.5X, 20X and 50X magnifications to suit all your needs.

Note : LCD and Silicon Corrected lens also available.



Interference objective lens



Double beam interference objective lens, Linnik Interference objective lens are available as custom made.