

Resolv4K Fixed System

The new Resolv4K Fixed system is a combination of the superb optical performance of the Resolv4K Zoom and design principles of our Precise Eye Fixed that is ideal for fixed field of view applications with closer working distances. The Resolv4K Fixed lens offers higher magnification and resolving power than standard enlarging or SLR lenses in macro mode.

- High apertures improve resolving power by 30% at familiar working distances
- Available interface modules allow users to build their system specifically for their needs
- Standard large camera format options
- Compatible with 10MP cameras and beyond
- Built-in rear adapter fine manipulation focus
- Larger focus options with motorization available
- Compatible with Infinity Corrected Objectives

Resolv4K Fixed Field of View Matrix (in mm at nominal W.D.)

Lens Attachment	Working Distance	Depth of Field	Resolution Limit	Camera Adapter ⇌	0.6875X	1X	1.375X	2X
				Pixel Resolution ⇌	1.85 µm	2.68 µm	3.69 µm	5.37 µm
				Format	Diagonal	Diagonal	Diagonal	Diagonal
0.25X 0.025 NA 1-81201	359.5 mm	0.88 mm	13.42 µm	Magnification ⇌	0.275X	0.40X	0.55X	0.80X
				2/3" Sensor	40.00 mm	27.50 mm	20.00 mm	13.75 mm
				1" Sensor	-	40.00 mm	29.09 mm	20.00 mm
				1.1" Sensor	-	44.00 mm	32.00 mm	22.00 mm
				4/3" Sensor	-	-	40.00 mm	27.50 mm
				APS	-	-	-	40.00 mm
0.5X 0.05 NA 1-81202	173 mm	0.22 mm	6.71 µm	Magnification ⇌	0.55X	0.80X	1.10X	1.60X
				2/3" Sensor	20.00 mm	13.75 mm	10.00 mm	6.88 mm
				1" Sensor	-	20.00 mm	14.55 mm	10.00 mm
				1.1" Sensor	-	22.00 mm	16.00 mm	11.00 mm
				4/3" Sensor	-	-	20.00 mm	13.75 mm
				APS	-	-	-	20.00 mm
0.75X 0.075 NA 1-81203	110 mm	0.0978 mm	4.47 µm	Magnification ⇌	0.825X	1.20X	1.65X	2.40X
				2/3" Sensor	13.33 mm	9.17 mm	6.67 mm	4.58 mm
				1" Sensor	-	13.33 mm	9.70 mm	6.67 mm
				1.1" Sensor	-	14.67 mm	10.67 mm	7.33 mm
				4/3" Sensor	-	-	13.33 mm	9.17 mm
				APS	-	-	-	13.33 mm
1.0X 0.1 NA 1-81204	90 mm	0.055 mm	3.36 µm	Magnification ⇌	1.10X	1.60X	2.20X	3.20X
				2/3" Sensor	10.00 mm	6.88 mm	5.00 mm	3.44 mm
				1" Sensor	-	10.00 mm	7.27 mm	5.00 mm
				1.1" Sensor	-	11.00 mm	8.00 mm	5.50 mm
				4/3" Sensor	-	-	10.00 mm	6.88 mm
				APS	-	-	-	10.00 mm
1.25X 0.125 NA 1-81205	72 mm	0.0352 mm	2.68 µm	Magnification ⇌	1.375X	2.00X	2.750X	4.00X
				2/3" Sensor	8.00 mm	5.50 mm	4.00 mm	2.75 mm
				1" Sensor	-	8.00 mm	5.82 mm	4.00 mm
				1.1" Sensor	-	8.80 mm	6.40 mm	4.40 mm
				4/3" Sensor	-	-	8.00 mm	5.50 mm
				APS	-	-	-	8.00 mm
1.5X 0.15 NA 1-81206	46.5 mm	0.0244 mm	2.24 µm	Magnification ⇌	1.650X	2.40X	3.30X	4.80X
				2/3" Sensor	6.67 mm	4.58 mm	3.33 mm	2.29 mm
				1" Sensor	-	6.67 mm	4.85 mm	3.33 mm
				1.1" Sensor	-	7.33 mm	5.33 mm	3.67 mm
				4/3" Sensor	-	-	6.67 mm	4.58 mm
				APS	-	-	-	6.67 mm
2X 0.20 NA 1-81207	32.3 mm	0.0138 mm	1.68 µm	Magnification ⇌	2.20X	3.20X	4.40X	6.40X
				2/3" Sensor	5.00 mm	3.44 mm	2.50 mm	1.72 mm
				1" Sensor	-	5.00 mm	3.64 mm	2.50 mm
				1.1" Sensor	-	5.50 mm	4.00 mm	2.75 mm
				4/3" Sensor	-	-	5.00 mm	3.44 mm
				APS	-	-	-	5.00 mm

Dark Gray box: Contact your Navitar sales representative for further guidance when selecting this option.

For 4:3 aspect ratio sensor, Horizontal = Diagonal x 0.8, Vertical = Diagonal x 0.6 APS- 32mm image circle