

# MagniStar® Bi-Telecentric Lenses

Navitar's new line of MagniStar high resolution bi-telecentric lenses offer the ideal optical solution for imaging and measurement applications where extreme accuracy is required.

These high-resolution, low distortion lenses are designed to work with camera formats of 2/3" and smaller and also support megapixel cameras with 3.5µm pixels. Applications include metrology, flat panel inspection, curved surface inspection, and other imaging applications when greater depth of field is required.

## About MagniStar Lenses:

- Lens magnifications from 0.05X to 2.0X
- Standard C-mount
- Compatible with high performance, small pixel cameras 2/3" format and smaller
- Resolve to 3.5µm
- Made in the USA

## Key Advantages:

- Bi-telecentric
- Adjustable built-in iris
- Excellent MTF performance
- Less than 0.1% image distortion
- No parallax error



0.128X MagniStar - Part # I-23522

## MagniStar® Bi-Telecentric Lenses

Part #	Magn.	Telecentricity (degree)	Distortion (%)	FOV 1/3" H x V (mm)	FOV 1/2" H x V (mm)	FOV 1/1.8" H x V (mm)	FOV 2/3" H x V (mm)	Working Distance (mm)	System F#	MTF@ 70 lp/mm (%)	Field Depth (mm)	Length (mm)
Now Available												
I-23522	0.128X	0.05	0.01	37.5 x 28.1	50.0 x 37.5	56.1 x 41.6	68.8 x 51.6	179	F/7	>55	31	283
I-23524	0.528X	0.09	0.035	9.1 x 6.8	12.1 x 9.1	13.6 x 10.1	16.7 x 12.5	45	F/7	>51	2	134
Available December 1, 2013												
I-23723	0.051X	0.03	0.02	94.1 x 70.6	125.5 x 94.1	140.7 x 104.3	172.5 x 129.4	531	F/8	>51	260	630
I-23591	0.243X	0.04	0.02	19.8 x 14.8	26.3 x 19.8	29.5 x 21.9	36.2 x 27.2	104	F/8	>50	11	169
Available February 1, 2014												
TBD	1.0X	0.02	0.02	4.8 x 3.6	6.4 x 4.8	7.2 x 5.3	8.8 x 6.6	63	F/11	>36	1.2	101
TBD	2.0X	0.01	0.02	2.4 x 1.8	3.2 x 2.4	3.6 x 2.7	4.4 x 3.3	57	F/11	>31	0.3	65

Each individual MagniStar lens is delivered with its own test report certifying optical specifications.

Contact your Navitar representative with any questions and for additional information.