

PLATINUM SERIES 25MM LENS

Navitar's Newest Innovation with 42mm Image Format

- Diffraction limited with less than $\pm 0.05\%$ distortion center to edge.
- Works with F-mount or C-mount cameras.
- Varies magnification from 0.1X to 0.5X without extensions.
- 180 line pairs per millimeter resolution.
- Depth of field ranges from 31mm at 0.1X to 2.2mm at 0.5X.



Multi-Magnification Lens

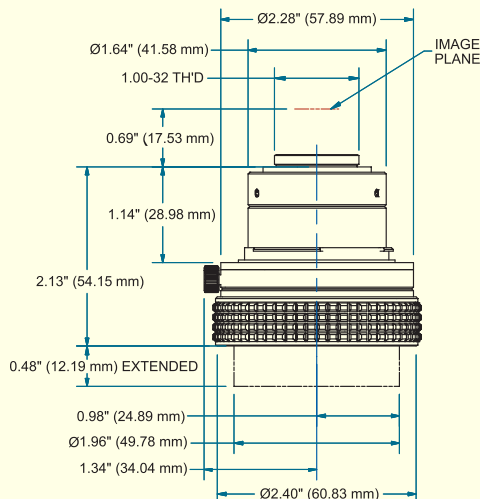
This is the first lens in Navitar's new Platinum Series. Our innovative 25mm Multi-Magnification lens (1-15838) is specifically optimized to shift between any magnification from 0.1X to 0.5X while maintaining diffraction-limited image quality with less than $\pm 0.05\%$ distortion. Ideal for vision system applications, this wide angle lens is designed to allow cameras to inspect large areas without the great distance required by a typical lens.

Navitar's 25mm lens features a fixed F/8 aperture which allows for a balance between depth of field and resolution while maintaining significant

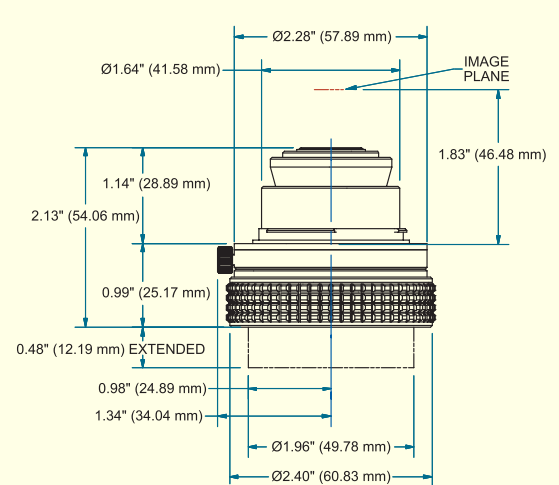
light-gathering power. It has 42mm image coverage and a depth of field ranging from 31mm at 0.1X to 2.2mm at 0.5X. Its very low distortion permits cameras to determine dimensional measurements without the need for software calibration on vision systems.

Navitar is currently developing new focal lengths for the Platinum Series. Please call 1-800-828-6778 or 585-359-4000 for more information.

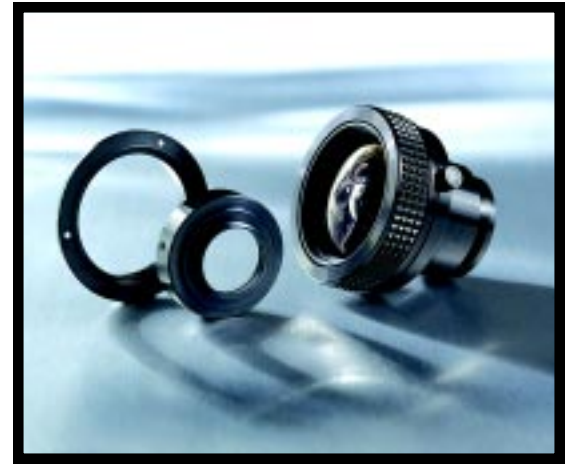
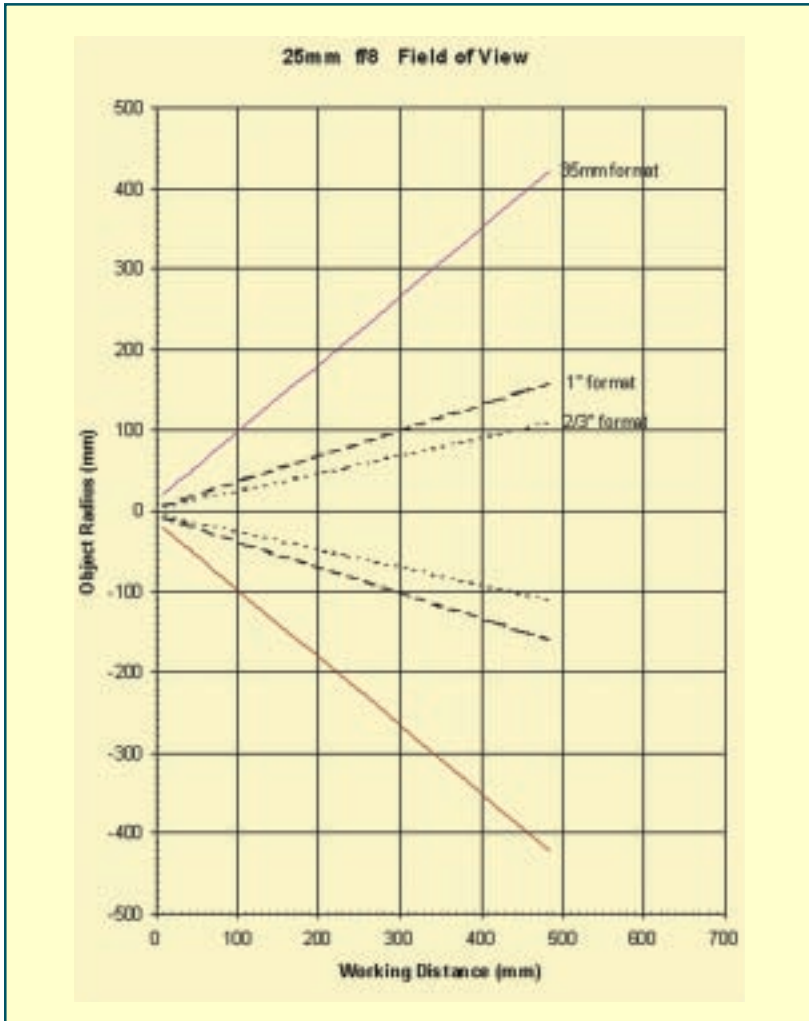
Platinum Lens with C-Mount



Platinum Lens with F-Mount



Field of View



Lens Specifications

25mm Multi-Magnification Lens	
Part Number	1-15838
Distortion (max. error)	± .05% (± 10μ)
Focal Length (mm)	25
F-Number	F/8 (fixed)
Lens Diameter (mm)	60.8
Image Size (mm)	42.4

Call 1-800-828-6778 or 585-359-4000 For a FREE In-house Demonstration or the Name of Your Local Dealer.

Magnification Specifications

Mag.	Object Size	Working Distance	Spot Size	Image MTF Cut-off	Object MTF Cut-off	Object N.A.	Image N.A.	Object Side Depth of Field (.001/NA ²)
0.50X	84.8	45	6.5μ	140	70	0.0212	0.0425	2.22
0.34X	127.2	70	5.6μ	160	50	0.0159	0.0476	3.95
0.20X	212	120	5.2μ	190	38	0.0105	0.0526	9.07
0.14X	318	183	4.8μ	200	25	0.0074	0.0556	18.26
0.10X	424	245	4.8μ	200	20	0.0057	0.0572	30.78

*Measurements are in millimeters unless otherwise specified.

