

[All Products](#) / [Imaging Lenses](#) / [Zoom & Variable Magnification Lenses](#) / [High Magnification Long Working Distance Zoom Lenses](#)

VZM™ Zoom Imaging Lenses



- Designed to Accomodate up to 2/3" Sensor Size Formats
- Dependable, Versatile Performance in Compact Designs
- Analog and Digital [Imaging Systems](#) Available

Common Specifications

Sensor

Maximum Sensor Format:

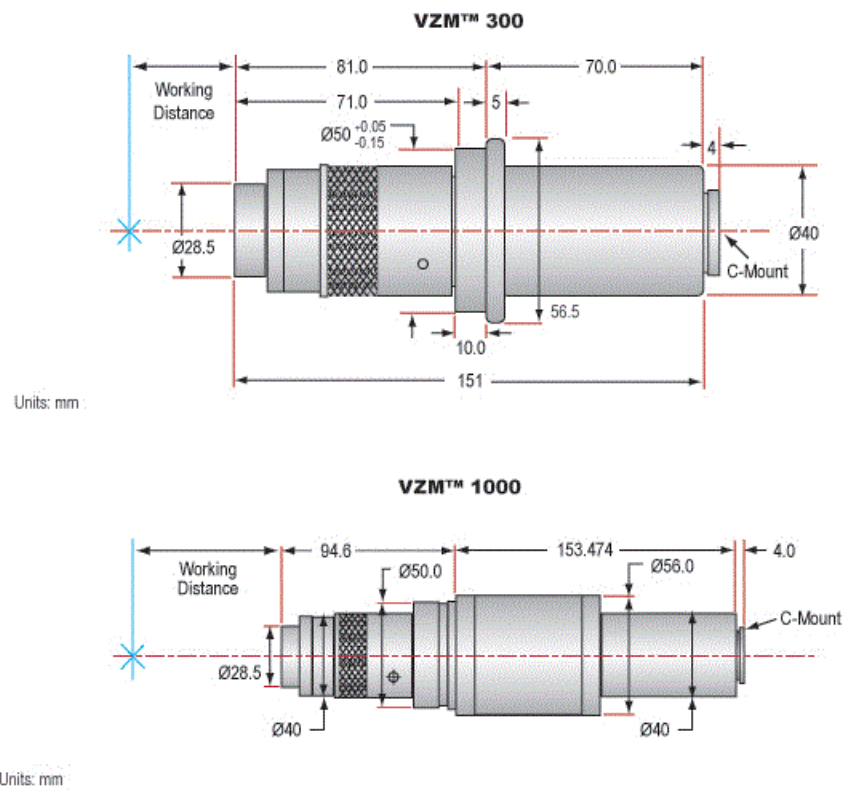
2/3"

Threading & Mounting

Mount:

C-Mount

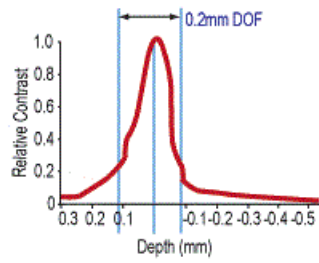
Technical Information



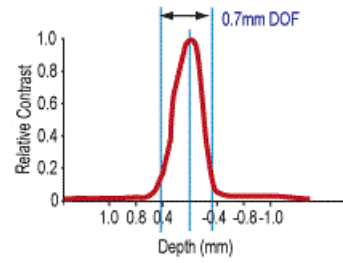
Depth of Field Curves

Video Zoom Microscope VZM 1000

Depth of Field Line Profile @ 10.0X PMAG, 11 lp/mm



Depth of Field Line Profile @ 2.5X PMAG, 11 lp/mm



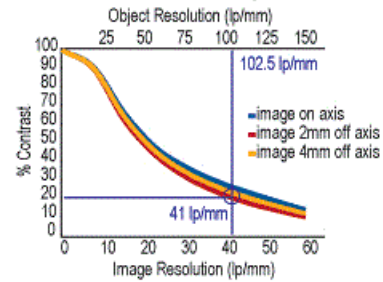
Modulation Transfer Function Curves

Video Zoom Microscope VZM 1000

Modulation Transfer Function @ 10.0X PMAG

**MTF NOT
AVAILABLE FOR
MICROSCOPE
MAGNIFICATIONS**

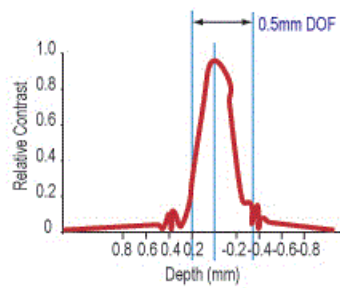
Modulation Transfer Function @ 2.5X PMAG



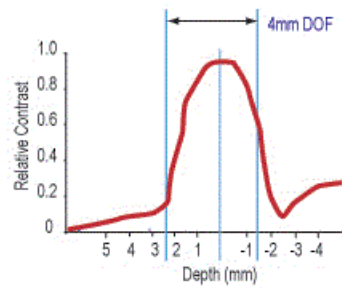
Depth of Field Curves

Video Zoom Microscope VZM 300

Depth of Field Line Profile @ 3.0X PMAG, 11 lp/mm



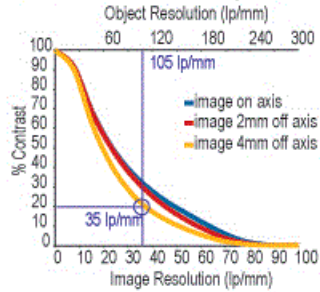
Depth of Field Line Profile @ 0.75X PMAG, 11 lp/mm



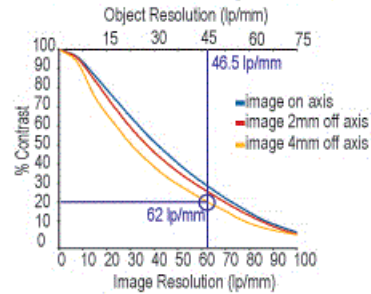
Modulation Transfer Function Curves

Video Zoom Microscope VZM 300

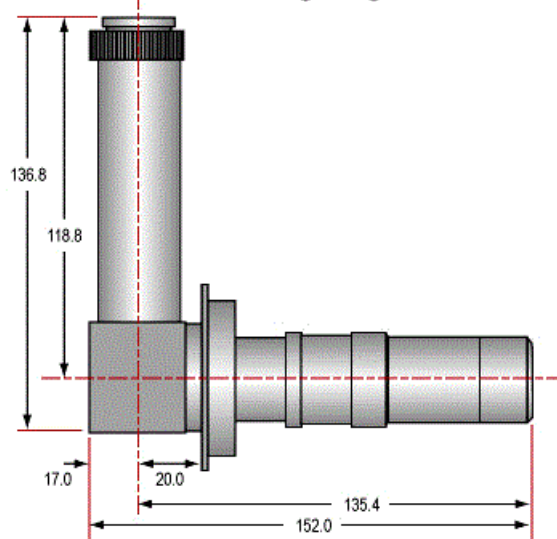
Modulation Transfer Function @ 3.0X PMAG



Modulation Transfer Function @ 0.75X PMAG



VZM 450i Right Angle



Units: mm

Technical drawing of a C-mount lens assembly showing dimensions in mm. The drawing includes a side view with a cross-section of the lens element. Key dimensions include: Working Distance (indicated by a blue arrow), 82.0, 152.8, 71.0, 5, 4, 10.0, 235, 56.5, Ø28.5, Ø50 with tolerances -0.05 and -0.15, and Ø40. A C-Mount is indicated on the right side.

VZM™ 1000i

Working Distance

247.0

10.0

Ø32.0

Ø27.7

C-Mount

251.0

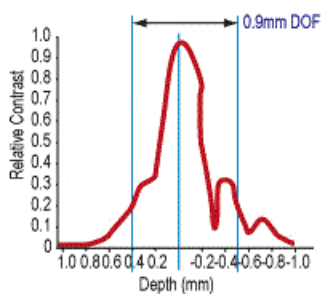
Units: mm

[illegible]

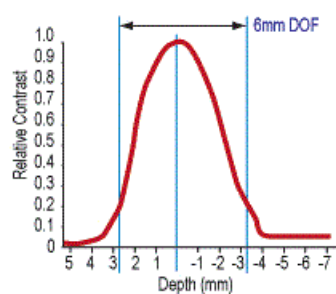
Depth of Field Curves

Video Zoom Microscope VZM 450

Depth of Field Line Profile @ 4.5X PMAG, 11 lp/mm



Depth of Field Line Profile @ 0.7X PMAG, 11 lp/mm



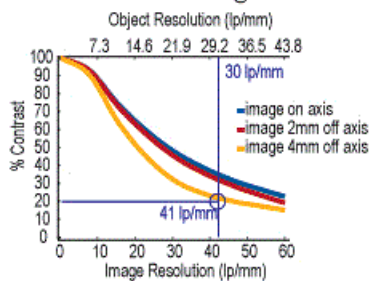
Modulation Transfer Function Curves

Video Zoom Microscope VZM 450

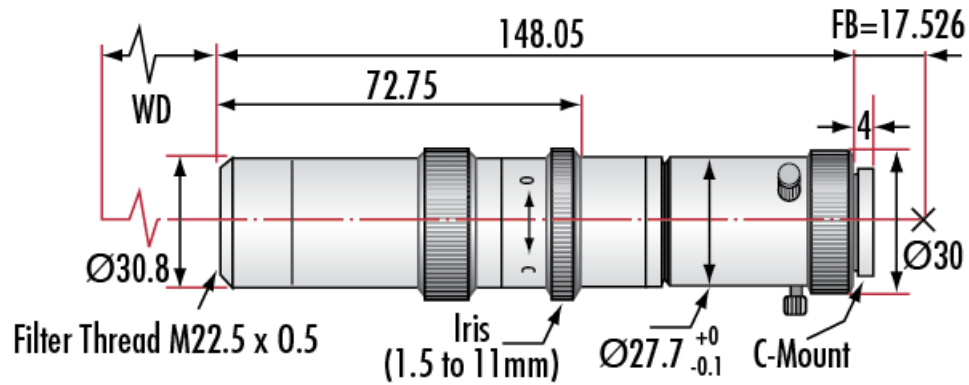
Modulation Transfer Function @ 4.5X PMAG

**MTF NOT
AVAILABLE FOR
MICROSCOPE
MAGNIFICATIONS**

Modulation Transfer Function @ 0.7X PMAG



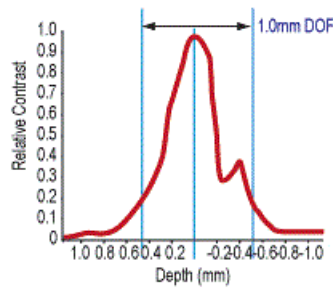
VZM 600i



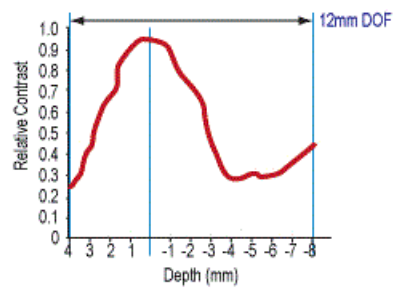
Depth of Field Curves

Video Zoom Microscope VZM 450i

Depth of Field Line Profile @ 4.5X PMAG, 11 lp/mm



Depth of Field Line Profile @ 0.7X PMAG, 11 lp/mm



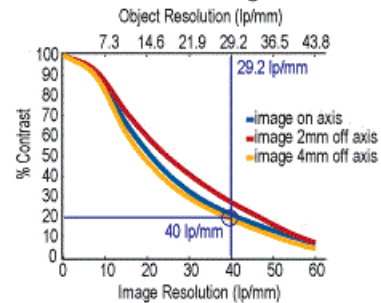
Modulation Transfer Function Curves

Video Zoom Microscope VZM 450i

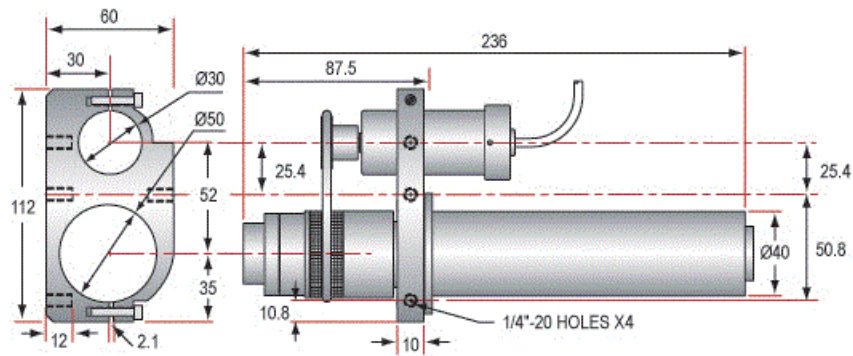
Modulation Transfer Function @ 4.5X PMAG

**MTF NOT
AVAILABLE FOR
MICROSCOPE
MAGNIFICATIONS**

Modulation Transfer Function @ 0.7X PMAG

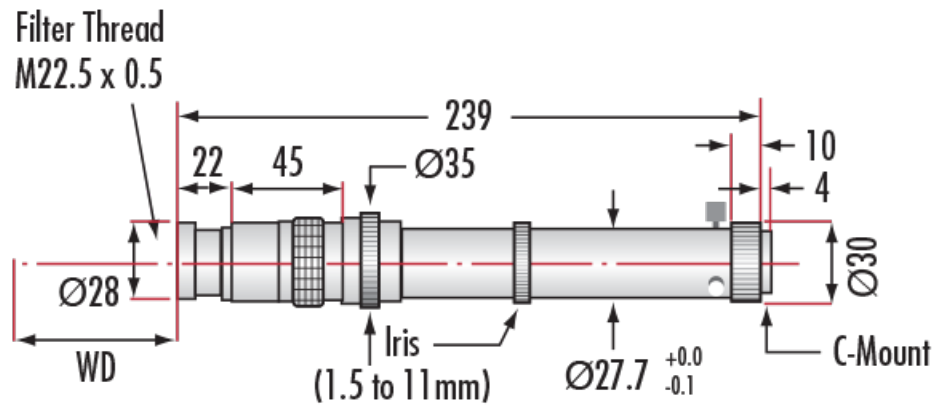


Motorized VZM™ 450

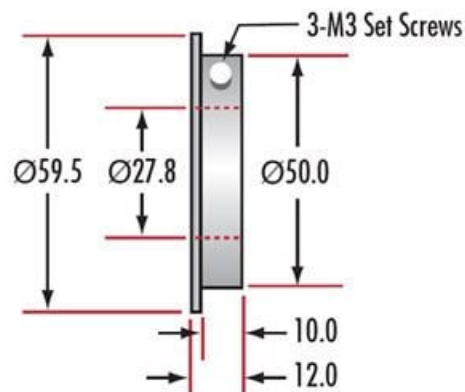


Units: mm

VZM™ 450i



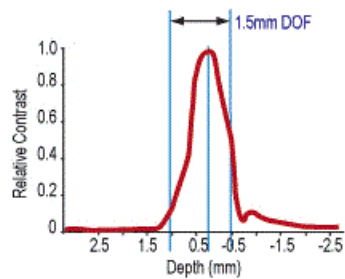
Removable Mounting Flange, i-series (Fits Rack and Pinion #03-609)



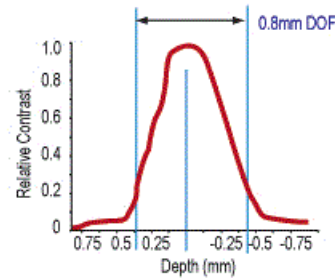
Depth of Field Curves

Video Zoom Microscope VZM 200i

Depth of Field Line Profile @ 2.0X PMAG, 11 lp/mm



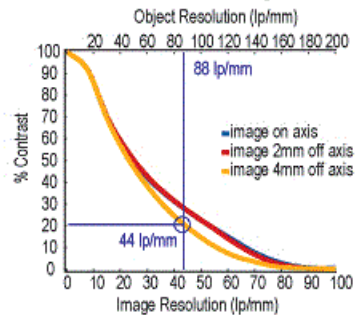
Depth of Field Line Profile @ 0.5X PMAG, 11 lp/mm



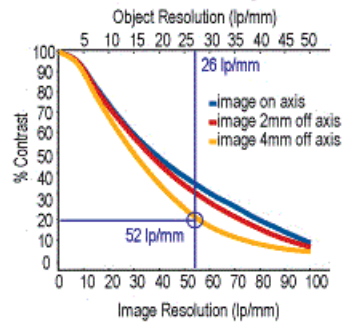
Modulation Transfer Function Curves

Video Zoom Microscope VZM 200i

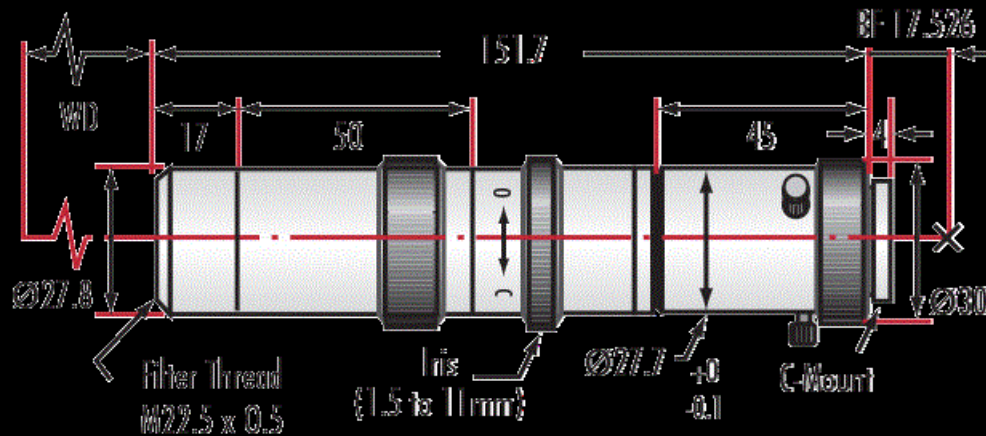
Modulation Transfer Function @ 2.0X PMAG



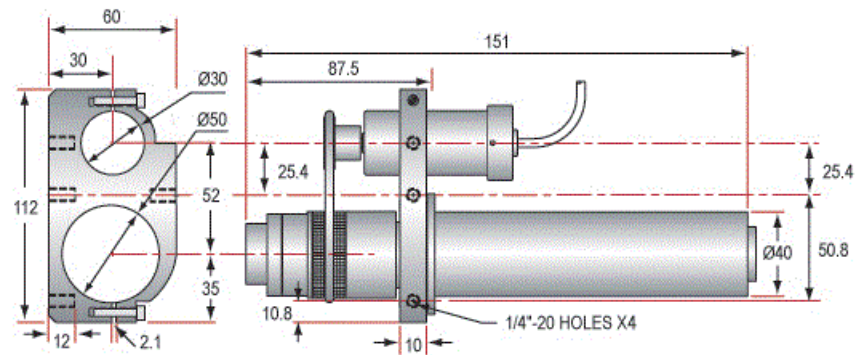
Modulation Transfer Function @ 0.5X PMAG



VZM™ 100i

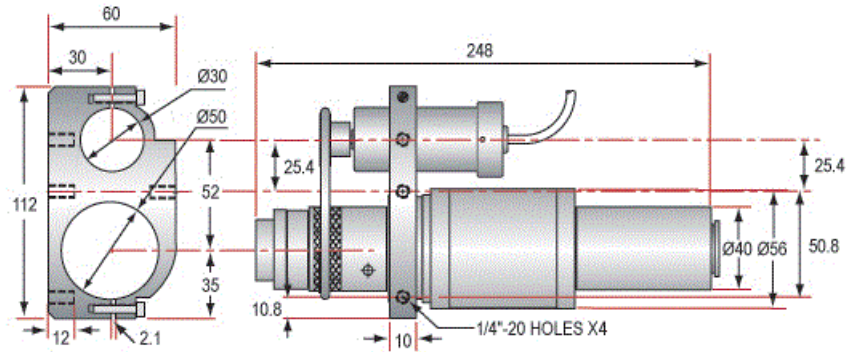


Motorized VZM™ 300



Units: mm

Motorized VZM™ 1000

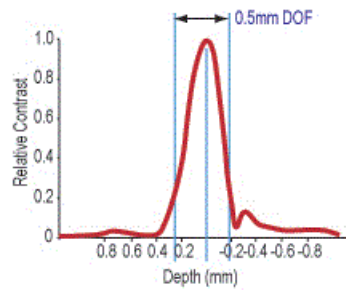


Units: mm

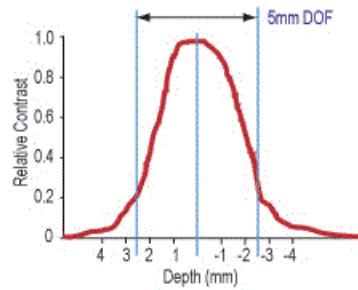
Depth of Field Curves

Video Zoom Microscope VZM 300i

Depth of Field Line Profile @ 3.0X PMAG, 11 lp/mm



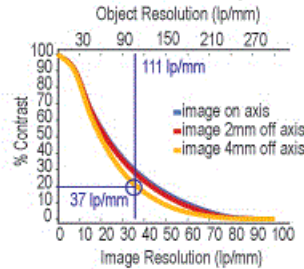
Depth of Field Line Profile @ 0.75X PMAG, 11 lp/mm



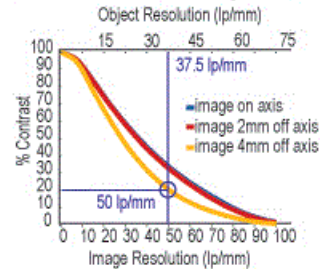
Modulation Transfer Function Curves

Video Zoom Microscope VZM 300i

Modulation Transfer Function @ 3.0X PMAG



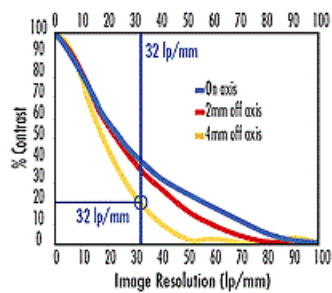
Modulation Transfer Function @ 0.75X PMAG



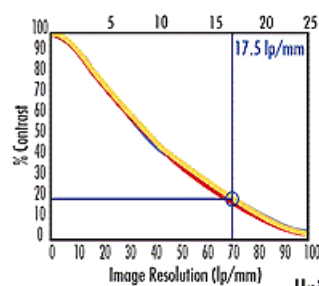
Modulation Transfer Function Curves

Video Zoom Microscope VZM 100i

Modulation Transfer Function—1X PMAG
Object Resolution (lp/mm)



Modulation Transfer Function—0.25X PMAG
Object Resolution (lp/mm)



Units: mm

Products

Title	Stock Number	Price	Buy
VZM™ 100i Zoom Imaging Lens	#59-805	£969.00	4 In Stock
VZM™ 200i Zoom Imaging Lens	#54-715	£1,032.75	15 In Stock
VZM™ 300 Zoom Imaging Lens	#39-708	£1,032.75	5 In Stock
VZM™ 300i Zoom Imaging Lens	#52-571	£1,011.50	2 In Stock
VZM™ 600i Zoom Imaging Lens	#88-399	£981.75	12 In Stock
VZM™ 1000 Zoom Imaging Lens	#54-396	£1,011.50	5 In Stock
VZM™ 1000i Zoom Imaging Lens	#55-834	£1,011.50	7 In Stock



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK

Phone: 1-800-363-1992 :

www.edmundoptics.com