

[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

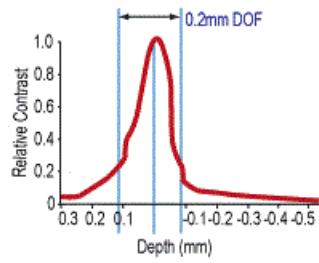
Technical Information



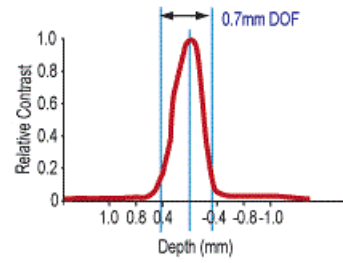
Depth of Field Curves

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



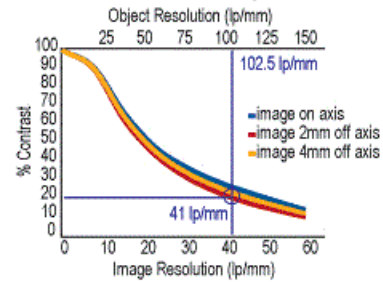
Modulation Transfer Function Curves

Video Zoom Microscope VZM 1000

Modulation Transfer Function @ 10.0X PMAG

**MTF NOT
AVAILABLE FOR
MICROSCOPE
MAGNIFICATIONS**

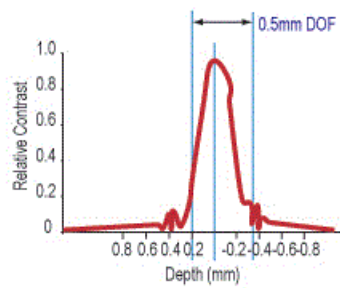
Modulation Transfer Function @ 2.5X PMAG



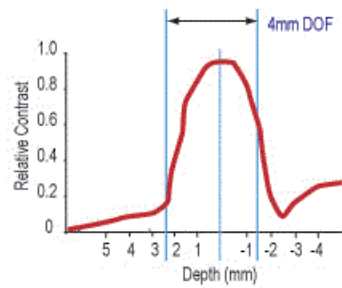
Depth of Field Curves

Video Zoom Microscope VZM 300

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



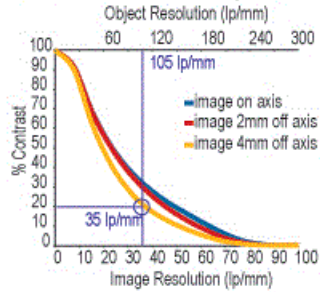
Depth of Field Line Profile @ 0.75X PMAG, 11 lp/mm



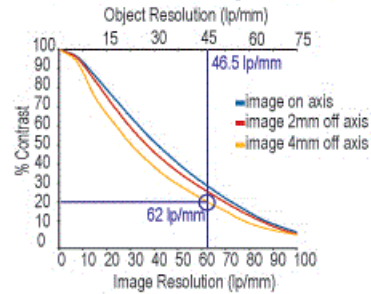
Modulation Transfer Function Curves

Video Zoom Microscope VZM 300

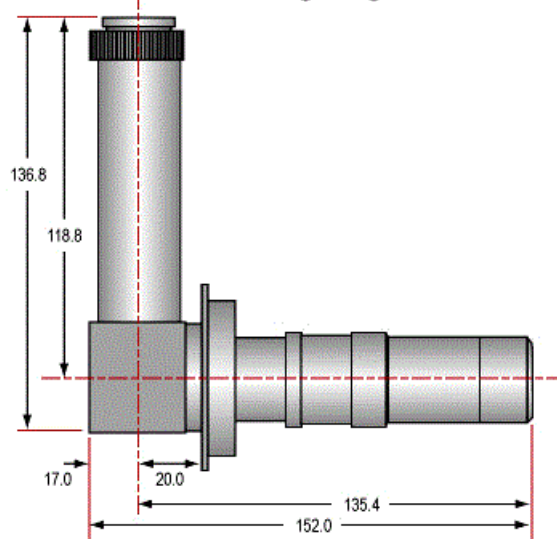
Modulation Transfer Function @ 3.0X PMAG



Modulation Transfer Function @ 0.75X PMAG



VZM 450i Right Angle



Units: mm

VZM™ 1000i

Working Distance

247.0

10.0

Ø32.0

Ø27.7

C-Mount

251.0

Units: mm

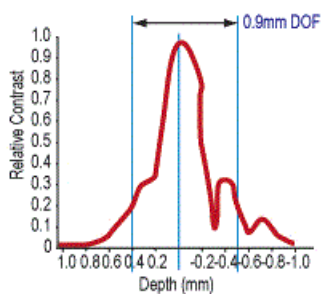
Technical drawing of the camera module showing dimensions and features:

- Overall length: 151.7
- Distance from front face to iris: 17
- Iris diameter: 1.5 to 11mm
- Distance from iris to C-Mount: 50
- C-Mount diameter: $\varnothing 27.7^{+0}_{-0.1}$
- Distance from C-Mount to back face: 45
- Back face diameter: $\varnothing 30$
- Filter Thread: M22.5 x 0.5
- WD (Working Distance) is indicated at the front face.
- FB 17.526 is indicated at the back face.

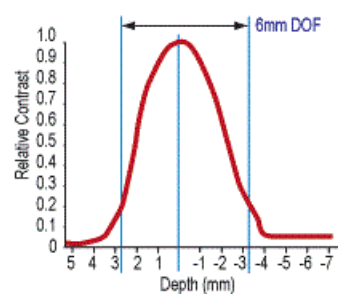
Depth of Field Curves

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



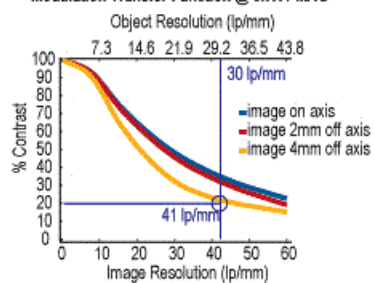
Modulation Transfer Function Curves

Video Zoom Microscope VZM 450

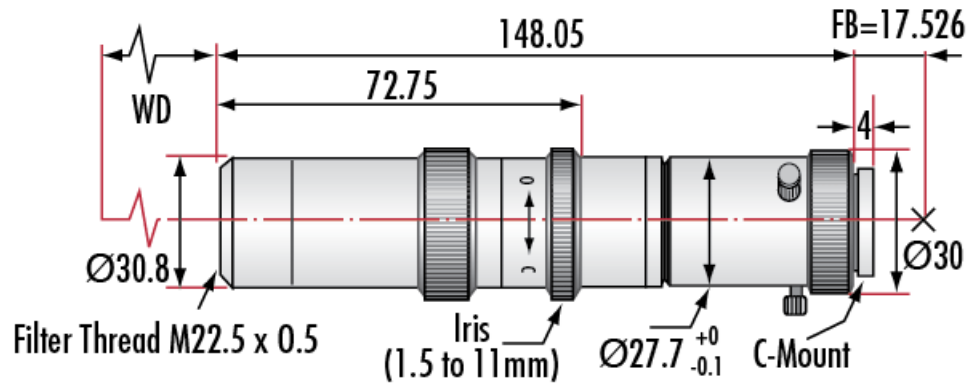
Modulation Transfer Function @ 4.5X PMAG

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Modulation Transfer Function @ 0.7X PMAG



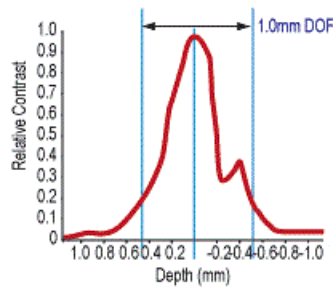
VZM 600i



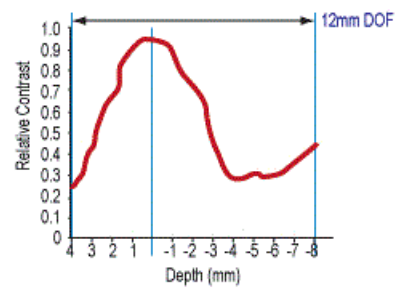
Depth of Field Curves

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



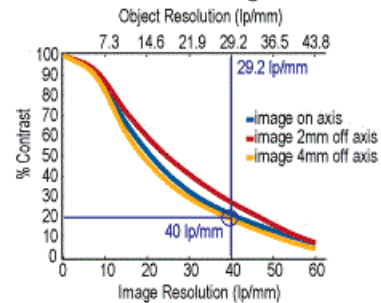
Modulation Transfer Function Curves

Video Zoom Microscope VZM 450i

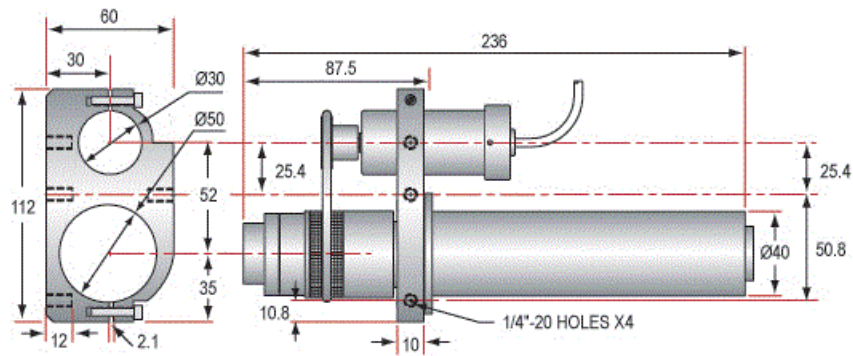
Modulation Transfer Function @ 4.5X PMAG

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Modulation Transfer Function @ 0.7X PMAG

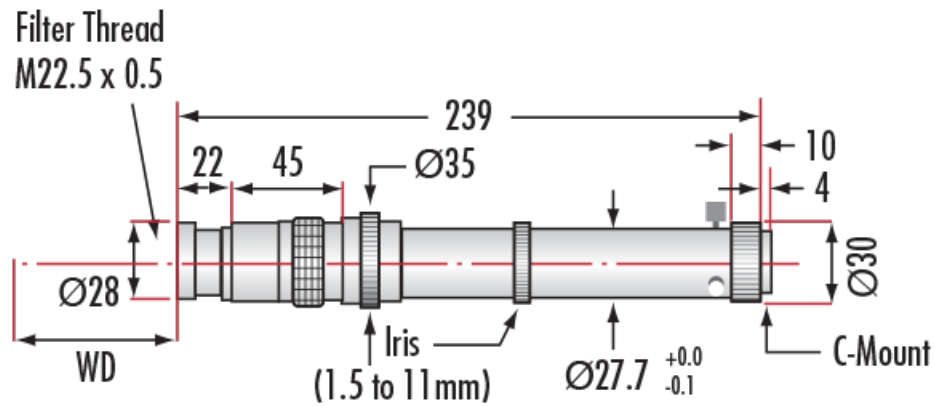


Motorized VZM™ 450

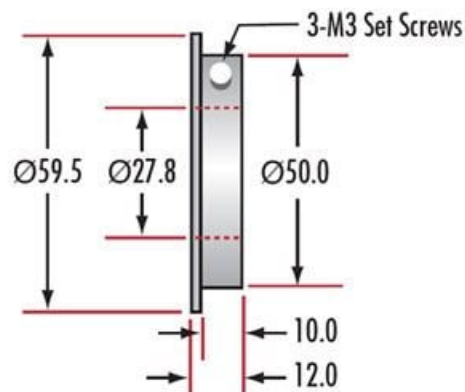


Units: mm

VZM™ 450i



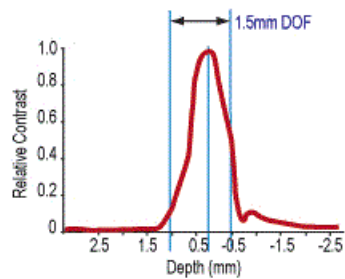
Removable Mounting Flange, i-series (Fits Rack and Pinion #03-609)



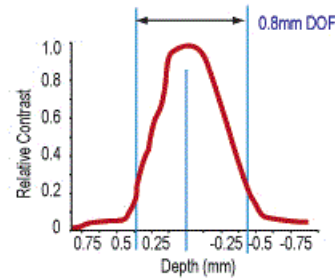
Depth of Field Curves

Video Zoom Microscope VZM 200i

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



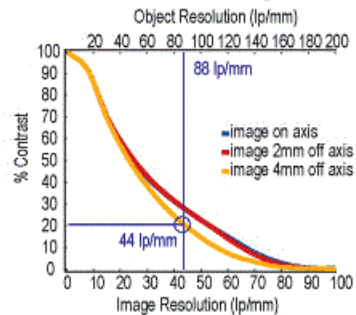
Depth of Field Line Profile @ 0.5X PMAG, 11 lp/mm



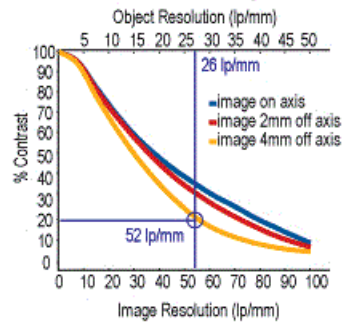
Modulation Transfer Function Curves

Video Zoom Microscope VZM 200i

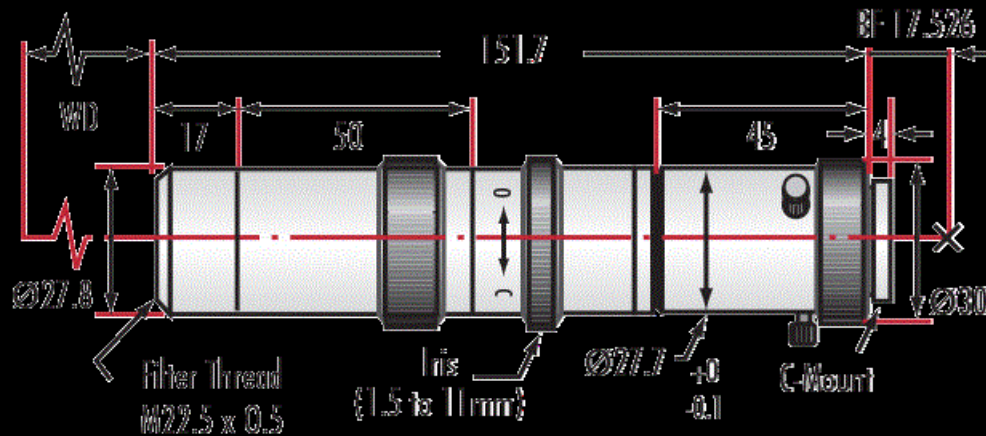
Modulation Transfer Function @ 2.0X PMAG



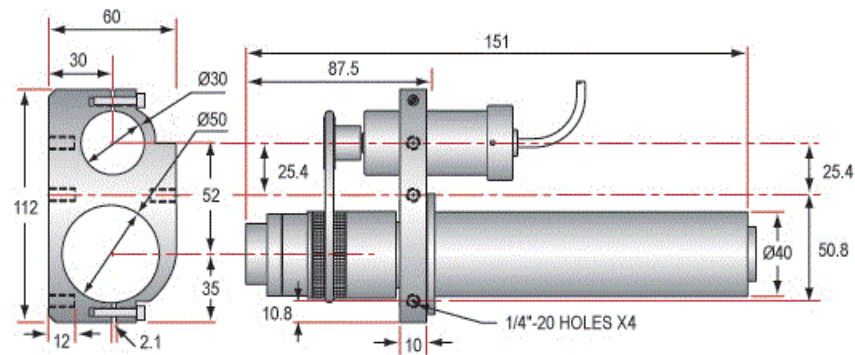
Modulation Transfer Function @ 0.5X PMAG



VZM™ 100i

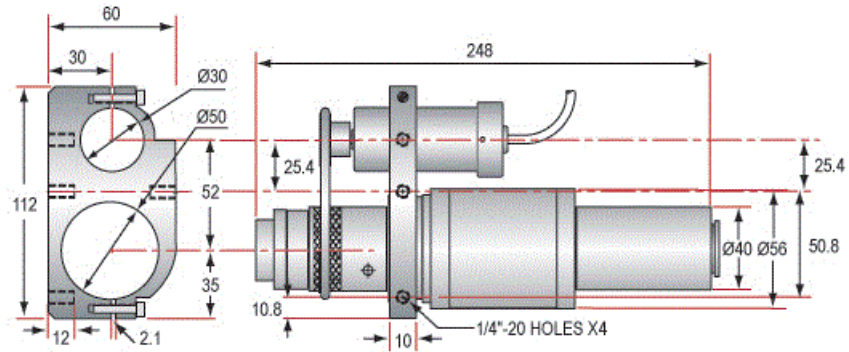


Motorized VZM™ 300



Units: mm

Motorized VZM™ 1000

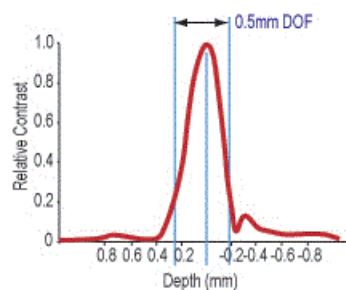


Units: mm

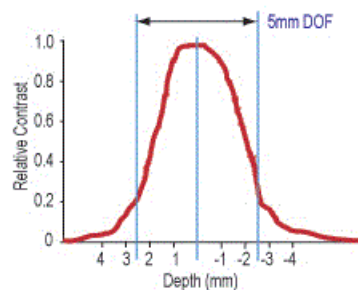
Depth of Field Curves

Video Zoom Microscope VZM 300i

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



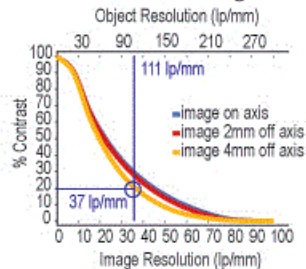
Depth of Field Line Profile @ 0.75X PMAG, 11 lp/mm



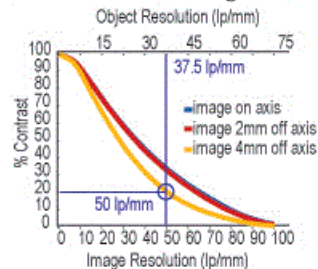
Modulation Transfer Function Curves

Video Zoom Microscope VZM 300i

Modulation Transfer Function @ 3.0X PMAG



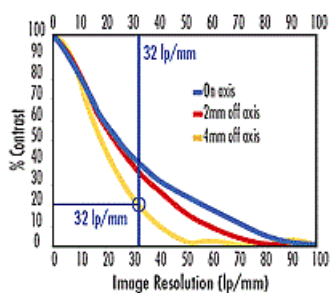
Modulation Transfer Function @ 0.75X PMAG



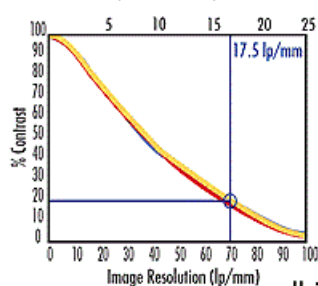
Modulation Transfer Function Curves

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	S\$1,653.00	4 In Stock
VZM™ 200i Zoom Imaging Lens	#54-715	S\$1,761.75	15 In Stock
VZM™ 300 Zoom Imaging Lens	#39-708	S\$1,761.75	5 In Stock
VZM™ 300i Zoom Imaging Lens	#52-571	S\$1,725.50	2 In Stock
VZM™ 600i Zoom Imaging Lens	#88-399	S\$1,674.75	12 In Stock
VZM™ 1000 Zoom Imaging Lens	#54-396	S\$1,725.50	5 In Stock
VZM™ 1000i Zoom Imaging Lens	#55-834	S\$1,725.50	7 In Stock



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