

VZM™ 1000i Zoom Imaging Lens



VZM™ 1000i

Stock **#55-834** **7 In Stock**

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1

+

₹1,07,100

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SPECIFICATIONS

General

Type:

High Magnification Zoom Lens

Physical & Mechanical Properties

Length excluding Threads (mm):

247.00

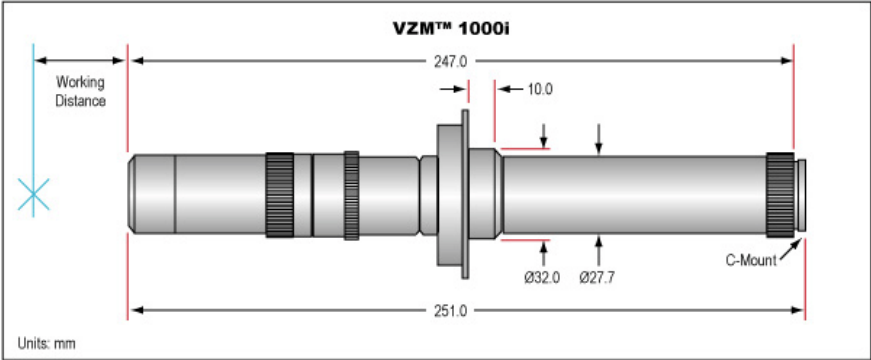
50.00	Maximum Diameter (mm):
326.00	Weight (g):
Optical Properties	
3.52 - 0.88mm	Horizontal Field of View, 2/3" Sensor:
2.56 - 0.64mm	Horizontal Field of View, 1/2" Sensor:
±1	Working Distance Tolerance (mm):
102.5 - 228	Resolution, Object Space:
41 - 22.8	Resolution, Image Space:
4:1	Zoom Ratio:
2.5X - 10X	Primary Magnification PMAG:
35.00	Working Distance (mm):
VS	Lens Wavelength Range:
Sensor	
2/3"	Maximum Sensor Format:
Threading & Mounting	
M22.5 x 0.50	Filter Thread:
C-Mount	Mount:
Regulatory Compliance	
Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	REACH 241:

PRODUCT DETAILS

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

VZM™ Zoom Imaging Lenses enable inspection of a wide range of objects without the inconvenience of changing working distances. In addition, the parfocal zoom allows magnifications to be easily changed without refocusing. These economical lenses are available in working distances ranging from 35mm to 175mm and offer a maximum 2/3" sensor format. Iris versions (i-series) all have locking iris, front filter thread, removable mounting flange, and optional zoom lock. All lenses have a 50mm diameter flange (removable on iris versions except 450i Right Angle) for mounting. VZM™ Zoom Imaging Lenses are ideal for inspection of integrated circuits and solder joints. Also suited for quality control and laboratory inspection needs, as well as surface analysis.

TECHNICAL INFORMATION



VZM Model	100i	200i	300	300i	450	450i	600i	1000	1000i
Zoom Ratio	4:1	4:1	4:1	4:1	6.4:1	6:1	6:1	4:1	4:1
Magnification	0.25 - 1X	0.5 - 2X	0.75 - 3X	0.75 - 3X	0.7 - 4.5X	0.75 - 4.5X	1 - 6X	2.5 - 10X	2.5 - 10X
Manual Iris	☐	☐		☐		☐	☐		☐

Rotatable Mount	☐	☐		☐		☐	☐		☐
Zoom Lock Adapter	☐	☐		☐		☐	☐		☐
Mtorized Version			☐		☐			☐	
Right Angle Version						☐			

Primary Magnification	With 0.5X Lens	
	Minimum 0.25X	Maximum 1.0X
FOV (½" Horizontal Sensor)	24.0mm	6.0mm
Resolution in Object Space	10 lp/mm	40 lp/mm
Resolution in Image Space	40 lp/mm	40 lp/mm
Working Distance (±3mm)	152mm	152mm

Primary Magnification	With 0.5X Lens	
	Minimum 0.35X	Maximum 2.25X
FOV (½" Horizontal Sensor)	17.6mm	2.8mm
Resolution in Object Space	12 lp/mm	80 lp/mm
Resolution in Image Space	34 lp/mm	35.5 lp/mm
Working Distance (±3mm)	147mm	147mm

Primary Magnification	With 0.5X Lens		With 0.25X Lens	
	Minimum 0.35X	Maximum 2.25X	Minimum 0.175X	Maximum 1.125X
FOV (½" Horizontal Sensor)	17.6mm	2.8mm	35.2mm	5.6mm
Resolution in Object Space	12 lp/mm	80 lp/mm	6 lp/mm	40 lp/mm
Resolution in Image Space	34 lp/mm	35.5 lp/mm	34 lp/mm	35.5 lp/mm
Working Distance (±3mm)	147mm	147mm	275mm	275mm