

# NEW DYNAMIC FOCUS VZM™ LENS



- Electronically Adjusts Focus with Integrated Liquid Lens
- Overcomes Depth of Field Limitations
- Includes Software for Focus Tuning

The Dynamic Focus VZM™ Lens utilizes an internal liquid lens to easily and seamlessly adjust focus over a 7X range, from 0,65X to 4,6X, while maintaining the zoom capabilities of the standard VZM™ Zoom Imaging Lenses. The lens also features a lockable iris, zoom control, and a rotatable mount that allows the camera to be properly oriented. Additionally, a removable mounting flange allows the lens to fit into the 50 mm diameter thru hole of the Rack and Pinion Mount #03-609. The liquid lens focus can be controlled via the ruggedized 6-pin HIROSE connector and a USB port, while course magnification adjustments can be made manually. The included software allows the Dynamic Focus VZM™ Lens to be programmed to cycle through focus with a square, sinusoidal, or sawtooth waveform or adjustable frequency and focus-shift range. Note: For illumination purposes, it is recommended to use the 1,125" inner diameter fiber optic ring light (#54-175), which can connect to any of our fiber optic illuminators.

## DYNAMIC FOCUS VZM™ LENS

Maximum Sensor Format	2/3"
Primary Magnification	0,65X - 4,6X
Parfocal Working Distance	87 mm ±3 mm
Filter Thread	M22,5 x 0,5
Overall Length	248 mm
Stock No.	#89-999

## ACCESSORIES

Description	Stock No.
Lens Driver Stock Number	#88-940
HIROSE Cable Stock Number	#88-941

## SPECIFICATIONS

Magnification Setting	0,75X	1X	2X	3X	4X	4,5X
Magnification Range	0,65X - 1,15X	0,9X - 1,2X	1,5X - 2,0X	2,4X - 3,0X	3,2X - 4,0X	3,7X - 4,6X
Working Distance (mm)	20 - 101	20 - 100	54 - 90	75 - 90	82 - 90	84 - 90
Horiz. Field of View, 2/3" Sensor (mm)	13,5 - 7,7	9,8 - 7,3	5,9 - 4,4	3,7 - 2,9	2,8 - 2,2	2,4 - 1,9
Horiz. Field of View, 1/2" Sensor (mm)	9,8 - 5,6	7,1 - 5,3	4,3 - 3,2	2,7 - 2,7	2,0 - 1,6	1,7 - 1,4

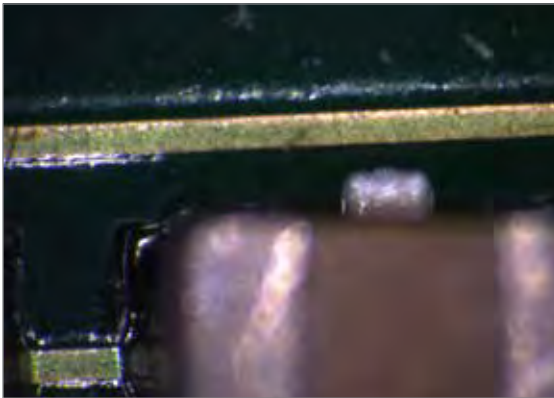
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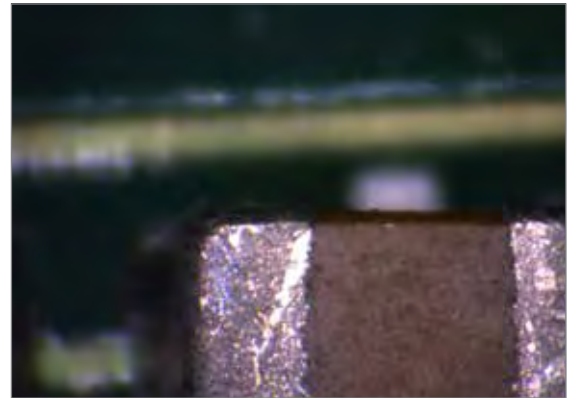
0,75X at Far Focus



0,75X at Near Focus



3,0X at Far Focus



3,0X at Near Focus

