

# LYNX EVO



## POWERFUL | EFFICIENT | FLEXIBLE

The Lynx EVO eyepiece-less stereo microscope enhances productivity with superior ergonomics. It offers you clear 3D depth perception and high-resolution images, improving hand-eye coordination and providing more working space. This means greater accuracy and efficiency - benefiting your operators and your business.

### Performance enhancing tools

- Superior ergonomics for greater productivity and efficiency.
- Long working distance for easy sample manipulation.
- Natural view of subjects with easy hand-eye co-ordination.
- 10:1 zoom providing magnifications from 2.7x- 240x, with optional accessories.
- Iris control for greater depth of field and contrast control.
- HD camera/software (option) provides easy image capture and annotation.

### Features for viewing quality

- Lynx EVO incorporates Dynascope patented optical technology. Dynascope technology optimises head and body freedom providing 10mm side-to-side and 70mm front-to-back head freedom.
- Detect defects with super clear stereo viewing.
- Ability to wear eye glasses.

## Optical Data

Objective and Magnification	Zoom	Fixed Magnification	x1.5 Multiplier	x2.0 Multiplier
0.45x	2.7x – 27x	8.5	11	17
0.5x	n/a	10	15	20
0.62x	3.7x – 37x	12	18	24
1.0x	6x – 60x	20	30	40
1.5x	9x – 90x	30	45	60
2.0x	12x – 120x	40	60	80
Working Distance (mm)	Zoom	Fixed Magnification	x1.5 Multiplier	x2.0 Multiplier
0.45x	175		175	
0.5x	n/a		159	
0.62x	125		125	
1.0x	75		75	
1.5x	42		42	
2.0x	29		29	
Field of view at min. (mm)	Min. Zoom	Fixed Magnification	x1.5 Multiplier	x2.0 Multiplier
0.45x	55	17.5	11.65	8.9
0.5x	n/a	15.3	10.2	7.65
0.62x	40	12.9	8.6	6.4
1.0x	25	7.65	5.1	3.825
1.5x	16	5.1	3.4	2.6
2.0x	12	3.825	2.55	1.91
Field of view at max. (mm)	Max. Zoom	Fixed Magnification	x1.5 Multiplier	x2.0 Multiplier
0.45x	5.5	17.5	11.65	8.9
0.5x	n/a	15.3	10.2	7.65
0.62x	4.0	12.9	8.6	6.4
1.0x	2.5	7.65	5.1	3.825
1.5x	1.6	5.1	3.4	2.6
2.0x	1.2	3.825	2.55	1.91

360° rotating view				
Zoom range	Working distance (mm)	Field of view at min. zoom (mm)	Field of view at max. zoom (mm)	Viewing angle
4.2x (16x*) – 42x	35.5	10.2*	3.8	34° from vertical
Direct view				
6.8x (15x*) – 68x	56.5	12.0	2.5	-

\*Uninterrupted  
NOTE: Multipliers also work on Lynx EVO systems with zoom

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## Stand Options



Ergo stand



Multi-axis Stand

### Fixed Magnification Only

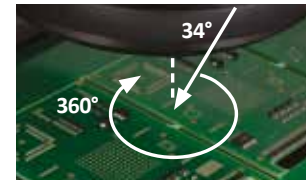


Boom stand with desk clamp or desk bolt

## Accessories

### 360° rotating viewer

The 360° rotation provides enhanced observation via an oblique view for many applications, including electronics, mechanical, medical and plastics components.



### Multiplier

Increases the magnification and zoom range by a factor of 1.5x or 2.0x, significantly extending system magnification capabilities without reducing the working distance. A slide lever simply engages or disengages the multiplier.

### Floating stage

This accessory for the Ergo stand provides smooth and precise control, ideal for inspecting sensitive samples, checking uniformity of components, or, together with the measuring graticule, for scaling or measuring subjects.



### Fixed wedges

Available in two configurations: 25° tilting up and 25° tilting down. Wedges enable the adjustment of the eye-point providing better ergonomics, and give the option to use tools via along working distance objective while working with an oblique view.



## Camera Option

### Smart Cam 50 digital camera

HD camera/software (option) provides easy image and video capture while retaining both optical paths for stereo viewing.



Smart Cam 50 specifications	
Sensor type	CMOS
Resolution (W x H)	2592 x 1944 pixels
Sensor size	1/2.5"
Pixel size	2.2µm
Colour depth	12-bit
Refresh rate (fps)	48 fps max.
File formats	BMP, JPEG, PNG and AVI

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