

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.

Providing enhanced hand to eye coordination, more working space for tools and better peripheral vision for easy interaction with your working environment, Lynx EVO transforms the way you work.

Performance enhancing tools

- Superior ergonomics promotes greater productivity and efficiency.
- 10:1 zoom provides 2.7x - 240x magnification, with optional accessories.
- Long working distance for easy sample manipulation.
- A natural view of the subject with easy hand-eye co-ordination.
- Iris control for greater depth of field and contrast.
- Integrated HD camera/software (option) provides seamless image/video capture and annotation capabilities.

Features for viewing quality

- Lynx EVO incorporates Dynascope® patented optical technology. Dynascope technology optimizes head and body freedom providing 10mm side-to-side and 70mm front-to-back head freedom.
- Detect defects - with super clear stereo viewing
- Effortlessly re-work and repair with natural hand-eye co-ordination.
- Ability to wear glasses

Businesses choose Lynx EVO because they know their operators are more efficient, more accurate and more productive. The operator benefits and so does the business.



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INFORMATION

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OPTICAL DATA

		Lynx EVO Fixed Magnification		
Objective and Magnification	Zoom	Direct	X1.5 Multiplier	x2.0 Multiplier
0.45x	2.7x – 27x	8.5x	11x	17x
0.5x	n/a	10x	15x	20x
0.62x	3.7x – 37x	12x	18x	24x
1.0x	6x – 60x	20x	30x	40x
1.5x	9x – 90x	30x	45x	60x
2.0x	12x – 120x	40x	60x	80x
Working Distance (mm)	Zoom	Direct	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	Direct	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	Direct	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*	3.8mm	34° from vertical

Direct view				
6.8x (15x*) – 68x	56.5mm	12.0mm	2.5mm	-

*Uninterrupted

NOTE: Multipliers also work on Lynx EVO systems with zoom

STAND OPTIONS



ERGO STAND



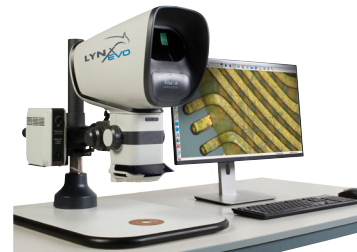
MULTI-AXIS STAND



BOOM STAND WITH DESK CLAMP OR DESK BOLT

FIXED MAGNIFICATION ONLY

CAMERA OPTION



Smart Cam 50 digital camera

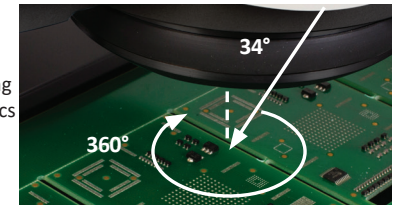
Integrated HD camera/software (option) provides seamless image/video capture while retaining both optical paths for stereo viewing. Easy convenient image/video capture.

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

ACCESSORIES

360° rotating viewer

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

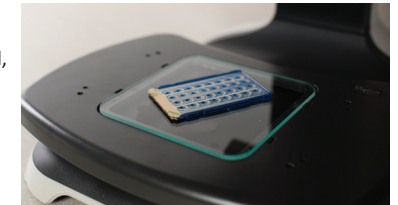


Multiplier

Increases the magnification and zoom range by a factor of 1.5x or 2.0x, significantly extending system magnification capabilities without changing the working distance. Available as 1.5x, or 2.0x multipliers, a slide lever simply engages/disengages the multiplier, as required.

Floating stage

A floating stage 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 gives the option to use tools via a long working distance objective while working with an oblique view.



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