



STEREO ZOOM MICROSCOPE



Quality, Management, Environment, Health & Safety Standards



CDSCO MD 5 License



USFDA Listed



European CE



ISO 9001: 2015
IAF



ISO 13485:2016
NABCB/IAF



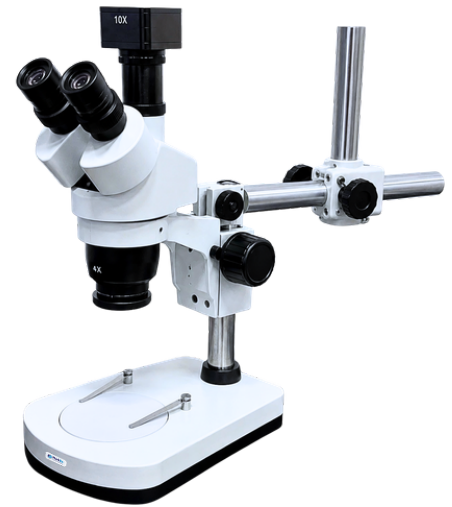
ISO 45001 : 2018
IAF



7 Electric Safety Certifications
IEC 60335-1 and IEC 60335-2-24, IEC 61010-1,
IEC 61010-2-020 and 61010-2-101, IEC 61326-1,
IEC 61326-2-6

INTRODUCTION

The **MarkEn** Zoom Stereo Microscope is designed to provide precision, durability, and ease of use for laboratories, educational institutions, and medical facilities. With advanced optics and ergonomic features, this microscope ensures high-resolution imaging and prolonged operational efficiency. It is equipped with anti-reflection and antifungal coatings to enhance clarity and longevity. The built-in LED illumination system ensures consistent brightness, while its robust design guarantees reliability for years to come.



FEATURES

- **Flexible Viewing Position:** Rotatable zoom body and inclined viewing tube provide comfortable and adaptable observation.
- **Eyepieces:** Supplied with 10× eyepieces having 22/23 mm field of view and independent diopter adjustment on both eyepieces for comfortable binocular observation.
- **Plan Achromatic Antifungal Objective Lenses:** Ensures clear and distortion-free images.
- **Reflecting Mirror :** Integrated dual-plane mirror for brightfield illumination.
- **Mechanical Stage :** 125mm x 145mm (+/-5mm) with traverse area of 50mm x76mm (+/- 5mm)
- **Microscope Arm :** Ergonomic design for ease of handling and stability.
- **Smooth Focus Control:** Adjustable-tension focus knob with at least 50 mm travel enables precise and comfortable focusing.
- **Designed** for minimum 10 years life with assurance of spare parts availability.

TECHNICAL SPECIFICATION

Make	MarkEn
Type	Stereo Zoom Microscope with Integrated Camera
Swivel Mechanism	360° Horizontal Arm Rotation Around Vertical Column
Viewing Head	Zoom body rotation of $\geq 180^\circ$ with a 35° – 45° inclined viewing tube.
Optical System	Greenough Optical System
Optical Material	Lead-Free Optical Components
Horizontal Arm	Arm length ≥ 440 mm with horizontal adjustment of ≥ 250 mm
Vertical Column	Column height ≥ 450 mm with vertical adjustment of ≥ 290 mm
Stand Type	Universal Stand with Sturdy Base and Dual Swivel Mechanism
Base Dimensions (W × D × H)	250 × 200 × 30 mm
Base Weight	≥ 5 kg
Zoom Body	High-contrast zoom body for sharp images throughout the zoom range
Eyepiece	10× wide-field eyepieces with optimized pupil aberration control and comfortable eye point
Objective	Plan Objective 1×, N.A. 0.10, Working Distance 110–130 mm
Field of View	22 mm (Lowest Magnification), 3 mm (Highest Magnification)
Magnification	8X–40X or Better (1X Objective × 10X Eyepiece)
Optional Magnification	2X Magnification Option
Zoom Ratio	8:1
Mechanical Stage	125mm x 145mm (+/-5mm) with traverse area of 50mm x 76mm (+/- 5mm)
Stage Clips	High-tension clips for firmly holding microscope slides in place.
Illumination	Variable Intensity LED Ring Light
Protective Cover	Anti-Electrostatic Protective Cover
Digital Camera	4 MP
Imaging Software	Software for Basic Measurement, Image Capture & Video Recording
Display Monitor	21-inch or Larger LED Monitor
Image Storage	USB / SD Card
Power Supply	220–240 V AC, 50 Hz, Single Phase

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ISO 2409

EN 13523-26,
ISO 13849-1,
IP 69, IP 65

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