

Z12 Microscope Series

ZOOM STEREO MICROSCOPE

- Galilean Optical System
With Apochromatic Common
Main Objective for High Resolution
& Excellent Color Visualization
- Variable Zoom Drive Magnification
System With Parallel Optical Axis
For Flexible Performance
- Ergonomic, Tilting
Trinocular Viewing Head
for Extreme Comfort
In Operation



The new Z12 Zoom Stereo Microscope from UNITRON offers best-in-class performance and value for industrial and life science applications.

The Galilean optics design and apochromatically-corrected objectives deliver crisp, high resolution images at all magnifications.

With a 12:1 zoom range and several stand and illumination options, the Z12 can be configured to meet the demands of both industrial and life science applications.

SPECIFICATIONS

Optical System	Galilean optical system. Variable zoom magnification system with parallel optical axis; zoom drive system: horizontal handle. Apochromatically corrected common main objective. Click-stops for various zoom positions incorporated – manual, user can turn this feature on or off
Viewing Body	Choice of ergonomic tilting trinocular viewing head, 5° - 45° adjustable (0:100 or 100:00 viewing split), or 30° fixed angle trinocular viewing head (50:50 viewing split)
Anti-Mold	Anti-mold, air-tight design
Magnification	Zoom ratio: 12:1; Magnification 0.8x – 10x with click-stops; magnification indications at 0.8, 1.0, 1.5, 2.5, 3, 4, 5, 6, 8, 10
Working Distance	78mm (with 1.0x objective); 20mm (with 2.0x objective)
Interpupillary Distance	52mm—75mm
Camera Adaptability	0.35x, 0.50x, 0.65x and 1.0x C-mount adapters
Eyepieces	WF10x/23mm FOV focusing eyepieces with built-in diopter adjustment and roll-down eyeguards (eyepiece accepts a 26.5 mm reticle) <i>Optional:</i> WF15x/16mm focusing eyepiece with built-in diopter adjustment and eyeguard; WF20x/12mm focusing eyepiece with built-in diopter adjustment and eyeguard
Auxiliary Objectives	S-APO 1.0x objective, N.A. 0.1, W.D. 78mm <i>Optional:</i> S-APO 2.0x objective, N.A. 0.2, W.D. 20mm; objective holder to mount and interchange two objectives
Stands	Choice of diascope transmitted light base with 360° sliding/tilting mirror (as shown on front) with 24 watt LED fiber optic illuminator with flexible gooseneck, slim profile LED transmitted light stand with adjustable color temperature, or Plain focusing stand
Optional Accessories	LED ring lights, fiber optic lights, 150w halogen fiber optic illuminators
Optional Digital Camera System	Excelis™ and Lumenera® CCD and CMOS cameras

Design, features and specifications are subject to change without notice.

ISO 9001

Design and production adheres to ISO9001 international quality standard.

ISO 14001

Design and production meets the requirements of international standard ISO 14001 for environmental management.



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