

## 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

<b>Optical System</b>	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
<b>Viewing Body</b>	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)
<b>Anti-Mold</b>	Anti-mold, air-tight design
<b>Magnification</b>	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
<b>Working Distance</b>	78mm (with 1.0x objective); 20mm (with 2.0x objective)
<b>Interpupillary Distance</b>	52mm—75mm
<b>Camera Adaptability</b>	0.35x, 0.50x, 0.65x and 1.0x C-mount adapters
<b>Eyepieces</b>	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
<b>Auxiliary Objectives</b>	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
<b>Stands</b>	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
<b>Optional Accessories</b>	LED ring lights, fiber optic lights, 150w halogen fiber optic illuminators
<b>Optional Digital Camera System</b>	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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**New York  
Microscope  
Company**

Microscope Experts since 1979

100 Lauman Lane, Suite A, Hicksville, NY 11801  
Tel: (877) 877-7274 | Fax: (516) 801-2046  
Email: [Info@nyscopes.com](mailto:Info@nyscopes.com)  
[www.microscopeinternational.com](http://www.microscopeinternational.com)