

Z850\850t SERIES STEREO MICROSCOPE



HIGH PERFORMANCE OPTICS WITH WORK-HORSE STABILITY

Utilizing a Greenough Optical systems, the Z850 line of microscope is the work-horse stereo system in the Visual Dynamix line of zoom microscopes. The Z850 design provides an airtight system preventing contamination from dust, water, air or other particles. In addition, the bodies are made of anti-electrostatic materials allowing the microscope to discharge static electricity build-up instantly. An anti-mold design allows the z850 to be used in areas of high heat and humidity without concern.

COMFORTABLE VIEWING HEADS

Binocular or Trinocular viewing head are inclined at 45 Degrees for a comfortable viewing angle for both long hours at the scope or for a quick check of the specimen. These scopes can be rotated 360 degrees for easy access.

INTEGRATED CAMERA PORT

Z850t Trinocular Zoom body incorporates a custom prism in the eyetube that directs 50% of the light to the integrated camera port. This design eliminates the need for sliders that cause vibration and the extra step needed to send light to a camera. In addition, the 50%\50% split permits a camera and both eyes of the microscope to be live simultaneously--allowing for the user to have true stereo paired images in the microscope while the camera is live.

The integrated photo port is parfocal and parcentric so the eyepieces and camera see the same, in-focus image.

DIGITAL IMAGING MADE SIMPLE

With the Integrated Photo Port on the Z850t, adding an HD or Digital Camera to your scope is a breeze. The integrated Port allows the user to direct the image to the camera screen for live teaching, viewing or image capture while keeping BOTH eyepieces on the scope live and in focus--unlike other systems that use one of the eyepieces for the camera system.

The VDHD6m High Definition (HD1090p) camera mounts directly to your Z series stereo scope providing a head up viewing system with HD image capture for still images as well as live movies--all without the need for a computer.



SELECTABLE MAGNIFICATION RANGES

Best-in-class 8x to 50x magnification range with click stops at every 1x to ensure quick and consistent measurement results. In addition, click-stops allow the user to know the exact magnification without removing their eyes from the scope--improving work flow and ergonomics. By incorporating the Twin-Zooming optical design, the image will maintain focus throughout the entire zoom range.

115mm free working distance allows easy access to specimens via the integrated 1x objectives.

This working distance can be changed to accommodate larger specimens or additional magnification options by adding an auxiliary objective. These auxiliary objectives quickly thread into the front lens of the Z850 scopes and are available in 0.35x, 0.5x, 1.5x and 2x magnifications.



WIDE RANGE OF EYEPIECES

The Z850 offers a wide range of eyepieces to accommodate specific magnifications or field of views. All eyepieces are individually focusable to maintain focus throughout the entire zoom range.

10x WF Eyepiece with 22mm Field of View
15x WF Eyepiece with 16mm Field of View
20x WF Eyepiece with 12.5mm field of View

STANDS AND BOOM ARMS

The universal design of the Z850 series scopes offers the wide choice in stands. Users can select any number of the standard bases or one of our custom stands.

PLAIN STAND



TOP\BOTTOM LED STAND



DIASCOPIC TRANSFER STAND



BALL BEARING BOOM

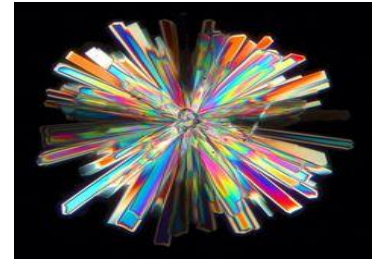


CONTRAST STAND (3rd PARTY)



POLARIZATION

The Z850 series microscopes allow a simple upgrade for other illumination techniques. Adding a polarizer and analyzer allows imaging of crystals and easy identification of birefringent samples. In addition, polarizer's can be used to reduce glare produced by highly reflective samples.



Z850 SPECIFICATIONS

Optical System:	Twin Zooming Greenough Objectives	
Viewing Bodies:	Binocular (Z850) or Trinocular (z850t) with Integrated Photo Port	
ESD Protection:	Viewing body is made from anti-electrostatic material	
Anti Mold:	Anti-mold and airtight design	
Eyepieces:	CWF 10x : 24mm F.O.V CWF 15x : 16mm F.O.V	CWF 10x : 22mm F.O.V CWF 20x : 12.5mm F.O.V
Magnification:	0.8x -5.0x with click-stops at 1x, 2x, 3x, 4x, 5x	
Zoom Ratio:	6.3:1	
Working Distance:	115mm with integrated 1x objectives	
Viewing Angle:	45 degrees	
Interpupillary Adjustment:	52mm-75mm	
Camera Adaptability:	Z850t integrated parfocal and parcentric port	
Auxiliary Objectives:	0.3x (300mm working distance) 0.7x (150mm working distance) 2.0x (43.5mm working distance)	0.5x (211mm working distance) 1.5x (61mm working distance)
Stands:	Plain focusing stand Ball Bearing Boom Stand	Integrated LED stand Contrast Stand (3rd party)
Light Sources:	LED with adjustable light guides	LED Ring light
Optional Modules:	Episcopic and Diascopic Polarization	