

S850 Stereo Microscopes





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Binocular Track Stand
S850B-TS



Binocular Dual LED Stand
S850B-RLT



Trinocular Track Stand
S850T-TS



Trinocular Dual LED Stand
S850T-RLT



S850 Microscope Options / Features

S850 Stereo Microscope Magnification Chart

Auxiliary Lens	Working Distance	10x Eyepieces		15x Eyepieces		20x Eyepieces	
		Mag	Field Size (mm)	Mag	Field Size (mm)	Mag	Field Size (mm)
0.5X	220mm	4x - 25x	55 - 8.8	6x - 37.5x	40 - 6.4	8x - 50x	30 - 4.8
1x (Built In)	115mm	8x - 50x	27.5 - 4.4	12x - 75x	20 - 3.2	16x - 100x	15 - 2.4
2X	45mm	16x - 100x	13.75 - 2.2	24x - 150x	10 - 1.6	32x - 200x	7.5 - 1.2

Changing Magnification or Working Distance



Change magnification by using three different sets of eyepieces:

- Widefield 10x / FN22
- Widefield 15x / FN16
- Widefield 20x / FN12

Change magnification and working distance by using two different auxiliary lenses. Using auxiliary lenses will impact camera magnification as well.

- 0.5x Lens, WD = 220mm
- 2.0x Lens, WD = 45mm



Small But Important Details



Zoom knob has click stops for accurate and repeatable measuring.



TS Track Stand has built-in storage for allen keys, preventing lost tools.



S850 Digital Microscopes



USB Digital Camera with Software for viewing live images, image capture and measurement.



HD Camera with 12" HD Monitor.



High Definition HD camera for fast frame rates and viewing on HDMI projector.

The S850 is designed to work with multiple digital options. The USB camera provides a direct live image into a computer and includes software for image capture and measurement. Presentations are best performed using the HD camera with HDMI output directly to a high quality monitor. Visual inspection works well using the HD camera with the smaller attached 12" HD monitor. Additionally, if you already have a c-mount microscope camera, it can be mounted using the 0.4x c-mount adapter on the trinocular port.

S850 Microscope Specifications



Optical System	Finite Optical System
Viewing Head	45° inclined binocular head, 360° rotatable.
	45° inclined trinocular head, 360° rotatable.
Eyepieces	Widefield, High Eyepoint, Plan 10x eyepieces, FN 22, with dual +/-5 diopters. Interpupillary distance adjustable from 52-75mm. WF10x eyepiece accepts 25mm diameter reticle.
	Widefield, High Eyepoint, Plan 15x eyepieces, FN 16, with dual +/-5 diopters.
	Widefield, High Eyepoint, Plan 20x eyepieces, FN 12, with dual +/-5 diopters.
Objective Lenses	Zoom 0.8x - 5x objective.
Zoom Ratio	6.3:1
Magnification Range	8x - 50x
Extended Magnification	4x - 200x
Working Distance	115mm
Maximum Specimen Height	If focus holder is secured in highest position, maximum specimen height with no auxiliary lens = 110mm.
	If focus holder is secured in highest position, maximum specimen height with 2x auxiliary lens = 183mm.
Focusing	Coarse focus adjustment, tension adjustable.
Stands	Track stand, 300mm x 300mm x 325mm with black/white stage plate, stage clips.
	Dual LED track stand has built in top and bottom LED illuminators. Top illuminator has its own intensity control and each light operates independently of the other. Includes two stage clips. CE certified, 115V-230V.
Auxiliary Lenses	0.5x, WD = 220mm
	2.0x, WD = 45mm
C-Mount Adapter	0.4x focusing c-mount adapter.
Reticles	Variety of 25mm diameter reticles available.

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