

SZ445/SZ460 STEREO ZOOM MICROSCOPE

- o High definition 3D images
- o Ergonomic design
- o Eyepiece diopter correction
- o New three-'A' design
- o High quality at low cost

The SZ445/460 series offer high definition 3D images, wide field-of-view, and long working distance, in a compact body design. The low cost does not sacrifice the quality and performance. Designed for use in schools, life sciences, routine clinical inspection, biological engineering, scientific research, industrial test, inspection and assembly.

The Anti-dust design reduces the routine maintenance, and the Anti-mold design maintains the optical quality of the lenses even in hot and humid environments. The body and surfaces are Anti-electrostatic designed to be ESD safe for electronic assembly applications.



Eyepiece Diopter



Zoom Knob



SZ445 Stereo Zoom Microscope

Specifications

- Zoom Range of Zoom Body: 0.7X-3X
- Zoom Ratio: 1: 4.3
- Magnification: 3.5X-120X
- Field of View: 2mm-57.1mm
- Working Distance: 97mm-160mm
- Interpupillary Adjustment: 52mm-75mm
- Working Distance: 97mm (no objective)
- Eyetube Inclination: 45° and 60°
- Eyepiece Diopter Correction: -8+5 Diopter
- Optional Adjustable Eyepieces: 10X and 20X
- Optional Auxiliary Lens: 0.5X and 2X
- Optional Video Couplers: 0.4X (For Trinocular Body model SZ445-TR)

Optical Specifications

Auxiliary Lens	Working Distance (mm)	Eyepieces			
		10X (F.N 20mm)		20X (F.N 12mm)	
		Mag.	FOV (mm)	Mag.	FOV (mm)
0.5X	160	3.5X-15X	57.1-13.3	7X-30X	34.3-8
Built-in(1X)	97	7X-30X	28.6-6.7	14X-60X	17.1-4
2X	50	14X-60X	14.3-3.3	28X-120X	8.6-2

Components

10X, 20X Eyepieces and 0.5X, 2X Auxiliary Lens are optional, and the users can change total magnification and working distance to improve work efficiency. All kinds of illuminators and stands are optional.

Picture Preview	P/N	Name	Description
	SZ460	Stereo Zoom Binocular	Zoom range 0.7X-3X, zoom ratio 1:4.3, with two horizontal zoom knobs, 60° inclined observation tubes. Eyepieces are not included - see below.
	SZ445	Stereo Zoom Binocular	Zoom range 0.7X-3X, zoom ratio 1:4.3, with two horizontal zoom knobs, 45° inclined observation tubes. Eyepieces are not included - see below.
	SZ445-TR	Stereo Zoom Trinocular	Zoom range of zoom body: 0.7X-3X, zoom ratio: 1:4.3, 45° inclined observation tubes.
	SA702101	10X Adjustable Eyepieces (Pair)	Wide Field 10X Eyepieces, with adjustable eyepiece diopter correction, 20mm field of view, the tube outside dia. 30mm. For SZ5 Series Stereo Zoom Microscope.
	SA702104	20X Adjustable Eyepieces (Pair)	Wide Field 20X Eyepieces, with adjustable eyepiece diopter correction, 12mm field of view, the tube outside dia. 30mm. For SZ5 Series Stereo Zoom Microscope.
	SA703102	0.5X Auxiliary Lens	Outside dia. 55mm, working distance 160mm, for SZ5 Series Stereo Zoom Microscope.
	SA703105	2X Auxiliary Lens	Outside dia. 55mm, working distance 50mm, for SZ5 Series Stereo Zoom Microscope.
	SA704101	0.4X Video Coupler	0.4X Adjustable C-Mount Video Coupler for connecting SZ445-TR Trinocular and CCD camera.