

## SSZ-II Stereo Zoom Binocular Microscope Systems



With long term reliability and customer satisfaction in mind we have redesigned the SSZ series Stereo Zoom Microscopes. We have retained the core quality and technology while improving the ergonomics, optics, and performance. We are confident that you will experience the same long term dependability and enjoy the new features and benefits.

The Scienscope SSZ-II Stereo Zoom Binocular Microscope is our most popular binocular microscope with high performance and durability that has been proven and time tested. It is made with the most advanced body construction and technology with a single spindle zoom, modularized gears, and fixed prisms. It also uses an isolated nylon-on-nylon gear system which increases the smoothness of the zoom, reduces martial fatigue, and protects the gears from other moving parts.

### SSZ-II Microscope Body Features



**Built to last**

Precision CNC machined parts assembled to leading industry standards. Extends the life of the microscope and lowers service costs.

**User-friendly & Ergonomic**

High point, lockable eyepieces and ergonomically located zoom control.

**Excellent for documentation**

Third view port allows video output; makes training and documenting your work a snap.

**Proven Body Design**

Scienscope prisms are housed with the body of the microscope, and do not move with eyepieces. This design protects the prisms and eliminates the chance of misalignment caused by the prisms.

Scienscope microscopes use an external nylon-on-nylon gear system. This increase the smoothness of the zoom and protects the gears from other moving parts. This system is less likely to deteriorate over time due to the compatibility of the materials. Notice how the gears are housed away from all other internal mechanisms.

Scienscope microscope use advanced technology, Single Spindle Zoom design, which allows for a smooth zoom and control that is superior to many of our competitors. This revolutionary design has two huge advantages. First, the objective cannot move independently of each other; therefore, it is less likely to cause a misaligned or double image. Secondly, the zoom knob is extremely smooth, allowing the user to maintain the visiontrough eyepieces while zooming.



## SSZ-II Data Sheet

**Microscope Body Specifications**

Microscope Body Zoom Range	0.67X to 4.5X
Zoom Ratio	6.7:1
Magnification w/ 10X eyepieces	6.7X to 45X
Field of View	32.8mm – 4.9mm
Working Distance	100mm
Eyepieces Inclination	45°
Dioptric Adjustment	±5 Dual Independent
Interpupillary Adjustment	50mm – 76mm
Microscope Ring Mount Diameter	76mm
Available Eyepieces	10X and 20X
Available Objective Lens	0.3X, 0.4X, 0.5X, 0.7X, 1.5X, and 2X

A full range of eyepieces and objective lenses are also available, please refer to the specification below for more additional option.

**SSZ-II Optical Specifications**

Objective Lens	Working Distance (mm)	Eyepieces			
		10X		20X	
		Mag.	FOV (mm)	Mag.	FOV (mm)
0.3X	287mm	2X – 13.5X	109.5 – 16.3	4X – 27X	59.7 – 8.9
0.4X	217mm	2.7X – 18X	82.1 – 12.2	5.4X – 36X	44.8 – 6.7
0.5X	177mm	3.4X – 22.5X	65.7 – 9.8	6.7X – 45X	35.8 – 5.3
0.75X	117mm	5X – 33.8X	43.8 – 6.5	10.1X – 67.5X	23.9 – 3.6
Default (1X)	100mm	6.7X – 45X	32.8 – 4.9	13.4X – 90X	17.9 – 2.7
1.5X	47mm	10.1X – 67.5X	21.9 – 3.3	20.1X – 135X	11.9 – 1.8
2X	26mm	13.4X – 90X	16.4 – 2.4	26.8X – 180X	9 – 1.3

# Complete System Information Coming Soon!

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