

## BSP-SZ-45 Series Zoom Stereo Microscopes

Optical systems including **zoom stereo microscopes** can be constructed from various combinations of optical zoom lens, eyepieces, stands, and illumination modules. With high quality coated lenses in the system, they can deliver sharp and clear images for the full field of view. With large zoom range and long working distance, they are ideal for high-magnification, high-resolution observation and monitoring in research labs, semiconductor and other industries.

**BSP-SZ-45ST1**





**BSP-SZ-45ST3**




### Specifications

- § Viewing head: 45° or 60° inclined  
360° rotatable binocular head or trinocular head.  
Inter-pupillary distance adjustable between 54-75mm;  
Diopter adjustment in range  $\pm 5$ mm.
- § Eyepiece: Wide field and high-eyepiece. Observation with glasses on.
- § Objective: Zoom objective magnification 0.67X-4.5X.
- § Magnification range: between 5X-160X.
- § Working distance: 100mm
- § Illumination: Built-in and built-out illumination system can be chosen.
- § Accessories: There are many accessories to choose.

	<p><b>Focusing arm: BSP-SZA1</b></p> <ul style="list-style-type: none"> <li>§ Plane focus arm, focused by rack and pinion w/ball bearing guide.</li> <li>§ Pillar size: Ø32mm</li> <li>§ Drawtube size: Ø76mm</li> <li>§ Designed for use with SZ-ST2 , or SZ-ST3 or SZ-STL1</li> <li>§ With a mounting hole for illuminator SZ-L1</li> </ul>
<p>BSP-SZA1</p>	

	<p><b>Focusing arm: BSP-SZA2</b></p> <ul style="list-style-type: none"> <li>§ Plane focus arm, focused by rack and pinion w/ball bearing guide.</li> <li>§ Pillar size: Ø24.5mm</li> <li>§ Drawtube size: Ø76mm</li> </ul>
<p>BSP-SZA2</p>	

	<p><b>Focusing arm: BSP-SZA3</b></p> <ul style="list-style-type: none"> <li>§ With bind institution of industry.</li> <li>§ Plane focus arm, focused by rack and pinion w/ball bearing guide.</li> <li>§ To view object in any angle.</li> <li>§ Drawtube size: Ø76mm.</li> <li>§ Join size: Ø16mm.</li> </ul>
<p>BSP-SZA3</p>	

### SZ6745 Series Zoom Lens and Eyepiece optics parameters:

Zoom magnification	Eyepiece						Working distance
	SEWh10X22		SEWh15X16		SEWh20X12		
	Total magnification	View field(mm)	Total magnification	View field(mm)	Total magnification	View field(mm)	
0.67X	6.7X	23.8	10.0X	23.9	13.4X	17.9	100mm
0.70X	7.0X	31.4	10.5X	22.9	14.0X	17.1	
0.80X	8.0X	27.5	12.0X	20.0	16.0X	15.0	
1.00X	10.0X	22.0	15.0X	16.0	20.0X	12.0	
1.50X	15.0X	14.7	22.5X	10.7	30.0X	8.0	
2.00X	20.0X	11.0	30.0X	8.0	40.0X	6.0	
3.00X	30.0X	7.3	45.0X	5.3	60.0X	4.0	
4.00X	40.0X	5.5	60.0X	4.0	80.0X	3.0	
4.50X	45.0X	4.9	67.5X	3.6	90.0X	2.7	



**Stand: BSP-SZMAT1**

- § Name: SZM Pillar stand
- § Use: Used with SZMA1 focus arm
- § Pillar size: 32mm
- § Stage: Ø100 black and white plate



**Stand: BSP-SZ-STL1**

- § Name: Pillar stand with single arm
- § Description: Used with focus arm SZMA1, to expand working area for different direction.