



Part Number: 26800B-534-SPZ

Description: SPZ-50 Stereo Zoom Microscope with OLED Ring Light and Double Arm Boom Stand

Provides crisp clear 3D images, long working distance and a wide field of view. 6.7x to 50x continuous zoom with 10x eyepieces. When compared to standard LED ring lights, the OLED Ring Light provide reduced glare and a natural light tone. Includes a dimmer control box and a ring light adapter. Ideal for scanning over large objects.

System Contents:

- SPZ-50 Stereo Zoom Microscope
- 26200B-223: OLED Ring Light
- 26800B-534: Dual Arm Boom Stand
- 26800B-518: E-Arm Focus Mount



SPZ binocular stereo zoom microscopes offers the best in class zoom ratio with super sharp 3D images, wide field of view and long working distance which makes it an ideal choice for high throughput inspection stations and engineering and science labs.

This system features the OLED Ring Light. When compared to standard LED ring lights, the OLED Ring Light provide reduced glare and a natural light tone.

Aven's Double Arm Boom Stand is a heavy duty, all metal microscope stand designed for smoothly scanning over large objects.

## *Wide Magnification Range*

Aven's SPZ-50 Stereo Zoom Microscope has a magnification range of 6.7x to 50x, which can be enhanced to up to 200x with optional auxiliary lenses and eyepieces.

## *Zoom Adjustment*

**Graduations on the zoom knob tell operators the exact magnifications at which they are working. This is a particularly convenient feature for applications requiring very specific adjustments.**

The OLED ring light consists of four Organic Light Emitting Diode (OLED) panels, providing uniform, shadow-free illumination. OLED offers excellent color rendering close to natural light for ideal observation of true-to-life colors.

Each panel can be tilted up and down, allowing for the ideal illumination angles.

## *Vertical and horizontal adjustment*

- Heavy base provides excellent stability
- Allows positioning of microscopes over large area
- Heavy duty all metal construction for durability.
- Posts are highly polished for smooth operation
- Heavy 285 x 260 x 18mm base assures stability and space.

Features:

- Large zoom ratio 7.46:1- best zoom ratio in class
- Field of View 34.3mm to 3.6mm (1.35" to 0.14")
- Working distance 108mm (4.25") – the best in class
- 17mm (0.67") high eye point wide field 10x eyepieces (field number 23) for comfortable viewing even for operators with eyeglasses
- Diopter adjustment on both eyepiece tubes
- 4 Organic Light Emitting Diode panels provide even, natural illumination with no glare or shadows
- Includes a dimmer box to control the light intensity
- OLED panels can be tilted up and down to provide the ideal illumination angle
- Heavy Base couples with ball bearing slide allows for easy positioning of the microscope

- Ideal for use when large objects are to be viewed

Specs:

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<b>Body Type</b>	<i>Binocular, 360° rotatable, 45° inclined eyepiece tube</i>
<b>Eyepieces</b>	<i>Two 10x(FN23)eyepieces supplied with microscope body. Optional 15x(FN15) and 20x(FN11.4) available to extend magnification range</i>
<b>Zoom Ratio</b>	<i>7.46:1</i>
<b>Diopter Adjustment</b>	<i>On both eye tubes: +5.6D-.72D</i>
<b>Interpupillary Distance</b>	<i>Adjustable from 52 to 75mm</i>
<b>Optical System</b>	<i>Greenough</i>
<b>Color Temperature</b>	<i>5400K</i>
<b>Illuminance at 100mm</b>	<i>MIN 800lx ~ MAX 2,500lx (5,000lx w/tilted panels)</i>
<b>Aperature</b>	<i>41mm – 62mm 27mm – 40mm (with extenders for fixing screws)</i>
<b>Power supply</b>	<i>AC Adapter (Input AC 100 – 240V, 50/60Hz)</i>
<b>Rated Voltage</b>	<i>DC15V</i>
<b>Power Consumption</b>	<i>5.5W(MAX)</i>
<b>OLED Life Time</b>	<i>Approx. 10,000 hours at middle intensity</i>
<b>Base Size</b>	<i>11" x 10"</i>
<b>Horizontal Arm Length</b>	<i>22.5"</i>
<b>Vertical Post Length</b>	<i>15"</i>