



Tools for  
Advancing  
Innovation

|  |  |   |   |
|--|--|---|---|
| <b>LED Ring Light</b><br>20,000 Hours High-Output LED Illumination | <b>21x-135x Magnification</b><br>15x Eyepieces | <b>Dual Arm Boom Stand</b><br>Smooth Movement And Excellent Stability | <b>Large Working Distance</b><br>Wide Field of View |
|--|--|---|---|



# SPZH135

## Stereo Zoom Microscope

### W/ Dual Arm Boom Stand and Integrated Ring Light

Aven's SPZH-135 stereo zoom microscope provides crisp clear 3D images, long working distance and a wide field of view. 22x to 135x continuous zoom with 10x eyepieces.

Includes Aven's Double Arm Boom Stand with an integrated table clamp. The 22.4" horizontal arm easily glides to the required position. Comes complete with Aven's E-Arm focus mount with an integrated LED ring light and LED adjustment controller.

### SPZH-135 Stereo Zoom Microscope

- Total magnification of 21X to 135X at 3.3" (84mm) working distance
- Max magnification 180X with 20X eyepieces
- Standard High Eye Point wide field 15x eyepieces at 45 degrees for comfortable viewing even for operators with eyeglasses
- Diopter adjustment on both eyepiece tubes
- Adjustable Interpupillary Distance of 1.96" (50mm) to 2.91" (74MM) accommodates any operator
- Multi coated optical components, free from chromatic and spherical aberration

### E-Arm Focus Mount with LED Ring Light

- E-Arm compatible with boom stands and articulating arm stands
- 60 Integrated LED ring light with dimmer control
- Minimum 20,000 hours of high-output LED illumination
- Fits Aven's binocular and trinocular microscopes
- Low power consumption

### Dual Arm boom Stand with Table Clamp

- Table clamp provides excellent stability
- Allows positioning of microscopes over large area
- Heavy duty all metal construction for durability
- Posts are highly polished for smooth operation
- Table clamp securely attaches to your work surface and saves table space

| SPZH-135 Stereo Zoom Microscope W/ Ring Light And Dual Arm Boom Stand |   |
|---|---|
| Item Number   | SPZH135-209-536   |
| Magnification   | 21x to 135x   |
| Interpupillary Dist.  | 50mm to 74mm  |
| Body  | Binocular   |
| Illumination  | LED Ring Light  |
| Working Distance  | 84mm (3.3")   |
| Eye Pieces  | 1.5x wide field   |
| Package Contents  | Stereo Zoom Microscope<br>E-Arm Focus Mount with LED Ring Light<br>Dual Arm Boom Stand with Table Clamp |



## SPZH-135 Stereo Zoom Binocular Microscope on Stand PLED

21x to 135x makes this system ideal for high magnification applications

*Built in LED illumination with dimmer control for even, controllable lighting*

The ideal scope for a wide range of investigative/inspection applications, Aven's dynamic new microscope SPZH-135 extends the boundaries of stereo zoom microscopy, employing standard 15X eyepieces to achieve 21x to 135x continuous zoom magnification all the while providing a constant working distance of 3.3" (84mm). Replacing the standard 15X eyepieces with our DHW20X eyepieces enhances the magnification range of this dynamic new microscope further – 28X to 180X. Having eyepieces set at a 45 degree angle, the adjustable interpupillary distance between eyepieces of 1.96" (50mm) to 2.91" (74mm) means they can be set to the comfort level of any user. Mounted on our PLED stand with built in LED illumination, dimmer control, coarse and fine focus and a compact 220 x 284mm base makes this system ideal for high magnification inspection applications, especially of small parts.

Aven microscopes reflect the clear differences of Japanese-engineered instruments designed and manufactured to industry-leading standards. High-grade optical glass and a straight light path provide maximum clarity and undistorted viewing.

### Features

- Total Magnification of 21X to 135X at 3.3" (84mm) working distance, Max 180X with 20X eyepieces
- Standard High Eye Point wide field 15x eyepieces at 45 degrees for comfortable viewing even for operators with eyeglasses
- Diopter adjustment on both eyepiece tubes
- Adjustable Interpupillary Distance of 1.96" (50mm) to 2.91" (74MM) accommodates any operator
- Built in LED illumination with dimmer control
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work

### SPZH-135 STEREO ZOOM BINOCULAR MICROSCOPE ON STAND PLED

|                                 |   |
|---------------------------------|---|
| <b>BODY</b>                     | Binocular   |
| <b>EYEPIECE</b>                 | 15x Wide Field inclined at 45 Degree                        |
| <b>MAGNIFICATION</b>            | 21x to 135x, Max 180x with 20x eyepieces                    |
| <b>WORKING DISTANCE</b>         | 84mm (3.3")   |
| <b>INTERPUPILLARY DISTANCE</b>  | 50mm(1.96") to 74mm (2.91")                                 |
| <b>DIOPTRER ADJUSTMENT</b>      | +5.6D-7.2D on both eyepieces                                |
| <b>OPTICAL SYSTEM</b>           | Greenough   |
| <b>STAND TYPE</b>               | Pole  |
| <b>STAGE PLATE</b>              | None  |
| <b>BASE DIMENSIONS</b>          | 220 x 284mm/8.66" x 11.18"                                  |
| <b>POLE/TRACK HEIGHT</b>        | 250mm/9.84"   |
| <b>FOCUS MOUNT/ILLUMINATION</b> | Course and fine focus w/integral LED ring light/dimmable    |
| <b>ACCESSORIES INCLUDED</b>     | Dust Cover (Rubber Eye Guards), Tension Control Pin         |
| <b>OPTIONAL ACCESSORIES</b>     | 20x Eyepieces, Protective Lens Cover<br>0.5X Auxiliary lens |
| <b>WEIGHT</b>                   | 15lbs   |
| <b>PACKAGE CONTENTS</b>         | SPZH-135 Body<br>Stand PLED 26800B-512                      |