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# SPZV-50

## Stereo Zoom Microscope W/ Mighty Cam Pro USB/ HDMI Auto Focus Camera and 22" HD Monitor Included

True trinocular microscope. Provides crisp clear 3D images, long working distance and a wide field of view. 6.7x to 50x continuous optical zoom with 10x eyepieces. Includes Aven's Mighty Cam Pro USB+HDMI autofocus camera. View live images on an HD monitor or on a computer via the included Mosaic software. The camera also features an SD card slot for capturing images without a PC.



Included Software  
Mosaic 2.1

6.7-50x Magnification w/ Eyepiece  
34x-255x Magnification On-screen

Integrated Features  
11.6" 1080p HD Monitor

Ergonomically Designed  
Ease of use with Monitor

### Features:

- View images through eyepiece or a monitor simultaneously
- Click stop zoom adjustment for accurate measuring
- USB and HDMI outputs - connect to PC or an HD monitor
- Built-in measurement software - no PC required
- Includes advanced measurement software for use with a PC
- Easy adjust C-mount camera adapter for fine focusing
- Superior optics and reliable mechanical components
- Magnification range with optional lenses: 6.7x - 50x
- On Screen magnification 34x - 255x
- High eye point of 17mm for comfortable viewing, even for operators with eye glasses
- Large zoom ratio gives this microscope exceptional versatility
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- PLED Stand features a built-in adjustable LED ring light

### SPZV-50 Stereo Zoom Microscope w/ MightyCam Pro USB/HDMI Auto Focus Cam and 22" HD Monitor

Item Number	SPZV-50-258-512
Body	Trinocular
Resolution	2MP 1920x1080
Magnification	6.7x-50x   34x-255x On-Screen
Outputs	HDMI, USB2.0 and SD Card
PC Software	Mosaic 2.1
Eye Pieces	10x wide field (FN:23)
Package Contents	Mighty Cam Pro USB/HDMI Auto Focus SPZV-50 Stereo Zoom Microscope PLED Stand and 22" HD Monitor



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Included  
Software  
  
Mosaic 2.1

6.7-50x  
Magnification  
w/ Eyepiece  
  
34x-255x  
Magnification  
On-screen

Integrated  
Features  
  
11.6" 1080p  
HD Monitor

ESD Safe  
  
Ergonomically  
Designed

# SPZV-50E

## Stereo Zoom Microscope ESD Safe W/ Mighty Cam Pro USB/ HDMI Auto Focus Camera and 22" HD Monitor Included

True trinocular microscope. Provides crisp clear 3D images, long working distance and a wide field of view. 6.7x to 50x continuous optical zoom with 10x eyepieces. Includes Aven's Mighty Cam Pro USB+HDMI auto-focus camera. View live images on an HD monitor or on a computer via the included Mosaic software. The camera also features an SD card slot for capturing images without a PC, as well as on-screen measurement tools for HDMI mode. ESD Safe.



### Features:

- View images through eyepiece or a monitor simultaneously
- Click stop zoom adjustment for accurate measuring
- USB and HDMI outputs - connect to PC or an HD monitor
- Built-in measurement software - no PC required
- Includes advanced measurement software for use with a PC
- Easy adjust C-mount camera adapter for fine focusing
- Superior optics and reliable mechanical components
- Magnification range with optional lenses: 6.7x - 50x
- On Screen magnification 34x - 255x
- High eye point of 17mm for comfortable viewing, even for operators with eye glasses
- Large zoom ratio gives this microscope exceptional versatility
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- PLED Stand features a built-in adjustable LED ring light
- ESD Safe trinocular microscope

### SPZV-50 Stereo Zoom Microscope w/ MightyCam Pro USB/HDMI Auto Focus Cam and 22" HD Monitor

Item Number	SPZV-50E-258-514-ESD
Body	Trinocular
Resolution	2MP 1920x1080
Magnification	6.7x-50x   34x-255x On-Screen
Outputs	HDMI, USB2.0 and SD Card
PC Software	Mosaic 2.1
Eye Pieces	10x wide field (FN:23)
Package Contents	Mighty Cam Pro USB/HDMI Auto Focus SPZV-50E Stereo Zoom Microscope PLED Stand and 22" HD Monitor





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# SPZV-50

## Stereo Zoom Microscope

W/ Mighty Cam Pro USB/HDMI Auto Focus Camera

On Double Arm Boom Stand

High definition 1080P auto focus inspection system with a 22" monitor offering superb image quality at 60 frames per second. You can operate this system with or without a PC. Without a PC camera connects directly to the included HDMI monitor. View and record images and perform measurements using the included on screen tools. Images & videos can be saved to the included SD card. Connect the camera to a PC to utilize more advance features in the included software. The included Fiber Optic LED provides bright, shadow-free illumination.

This system includes Aven's SPZV-50 Stereo Zoom Microscope. Viewing through the microscope a magnification range of 6.7x to 50x is obtained. On screen magnification range is 34x to 255x.

### Features:

- Magnification: 6.7x to 50x
- On Screen magnification 34x - 255x
- Crystal clear high resolution images
- Easy adjust C-mount camera adapter for fine focusing
- Superior optics and reliable mechanical components
- Magnification range with optional lenses: 6.7x - 50x
- Built-in measurement software - no PC required
- Click stop zoom adjustment for accurate measuring
- View images through eyepiece or a monitor simultaneously
- USB and HDMI outputs - connect to PC or an HD monitor
- Includes advances measurement software for use with a PC
- High eye point of 17mm for comfortable viewing, even for operators with eye glasses
- Large zoom ratio gives this microscope exceptional versatility
- Multi-coated optical components, free from chromatic and spherical aberration
- Double arm boom stand allows positioning of the microscope over large areas
- Fiber optic illuminator helps save energy, is brighter and lasts longer
- HD Camera with built in SD card with 22in HD monitor produces high resolution images



Included Software	6.7-50x Magnification w/ Eyepiece	Integrated Features	Ergonomically Designed
Mosaic 2.1	34x-255x Magnification On-screen	22" 1080p HD Monitor	Ease of use with Monitor



### SPZV-50 Stereo Zoom Microscope w/ MightyCam Pro USB/HDMI Auto Focus Cam and 22" HD Monitor

Item Number	26800B-382-PRO
Body	Trinocular
Resolution	2MP 1920x1080
Magnification	6.7x-50x   34x-255x On-Screen
Outputs	HDMI, USB2.0 and SD Card
PC Software	Mosaic 2.1
Eye Pieces	10x wide field (FN:23)
Package Contents	Mighty Cam Pro USB/HDMI Auto Focus SPZV-50 Stereo Zoom Microscope Double Arm Boom Stand, Fiber Optic Illuminator and 22" Monitor



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Included Software  
**Mosaic 2.1**

HDMI, USB and SD Card Outputs  
Capture & Save Images Directly To SD Card

Fiber Optic LED  
Bright Shadow-Free Illumination

6.7x-50x Optical Magnification  
34x- 255x On-Screen Magnification



# SPZV-50

## Stereo Zoom Trinocular Microscope

### On Ultra Glide Boom Stand, FOI W/ Mighty Cam Pro

High definition 1080P auto focus inspection system with a 22" monitor offering superb image quality at 60 frames per second. You can operate this system with or without a PC. Without a PC camera connects directly to the included HDMI monitor. View and record images and perform measurements using the included on screen tools. Images & videos can be saved to the included SD card. Connect the camera to a PC to utilize more advance features in the included software. The included Fiber Optic LED provides bright, shadow-free illumination.

### Features:

- 1080p Full HD Imaging at 60 FPS
- Dual outputs - connect to PC or HD monitor
- USB output connects to PC
- Built-in measurement software - No PC required
- Advanced measurement software included for computer connectivity
- Achieve instant auto focus
- Enhances productivity - eliminates eye strain and body fatigue
- Dual view system - inspect with the microscope and the HD monitor
- 22" HD Monitor Included
- Save high resolution image/video files directly to SD card
- 1080p Full HD Output
- 6.7x - 50x optical magnification
- 34x - 255x on-screen magnification
- Click-Stop zoom knobs allow operators to make accurate measurements

Stereo Zoom Trinocular Microscope SPZV-50 On Ultra Glide Boom Stand, FOI With Mighty Cam Pro	
Item Number	26800B-373-10-PRO
Magnification	6.7x-50x   34x-255x (on screen)
Resolution	2MP 1920x1080
Frame Rate	60 fps @HDMI, 30fps @USB2.0
Video Recording	30fps @SD Card, 30 fps @PC
Outputs	HDMI, USB2.0 and SD Card
PC Software	Mosaic 2.1
Package Contents	Mighty Cam Pro, Stereo Zoom Microscope, Ultra-Glide Arm Stand, E-Arm Focus Mount, Fiber Optic Illuminator 24W, Ring Light Adapter, Fiber Optic Ring Light, 22" LCD HD Monitor



# ESD Safe SPZV-50E Trinocular System with HD Camera + Image Capture and Double Arm Boom Stand

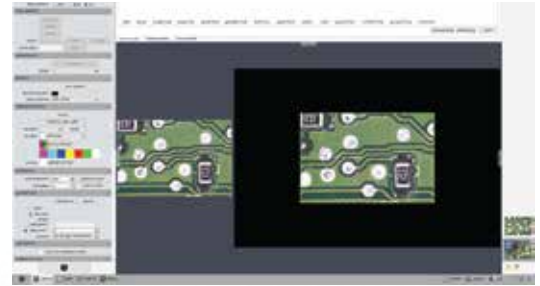
ESD Safe Coating	Includes 10x Eyepieces	Innovative Features	Double Arm Boom Stand
Built-In LED Ring Light	6.7x—50x Magnification	Imaging Software	22.5in Smooth Gliding Arm



With the **real-time depth of field** feature, operators can adjust the focus parameters with no need to adjust the physical optics.



The software provides a “**real-time image stitching**” function, the software can generate large-sized **panoramic images** in a few seconds.



## The Most Versatile System is now ESD Safe

Aven’s **ESD Safe** SPZV-50E Stereo Zoom Trinocular Microscope on the Double Arm Boom Stand offers the best-in-class zoom ratio with super sharp 3D images, wide field of view, and long working distance. The **ESD safe** coating is designed to meet the needs of applications in static-sensitive environments. The Double Arm Boom Stand is designed with a heavy base and ball bearing slide, which allows for easy microscope positioning. The 22.5in smooth gliding arm is ideal for scanning the microscope across large subjects. A 60-LED ring light is built into the focus mount and illumination is adjustable with the dimmer control box. The focus mount also provides course focus adjustments. The Mighty Cam USB has an effortless plug-and-play function and imaging software allows for image measurement, live image capture and sharing, and more.

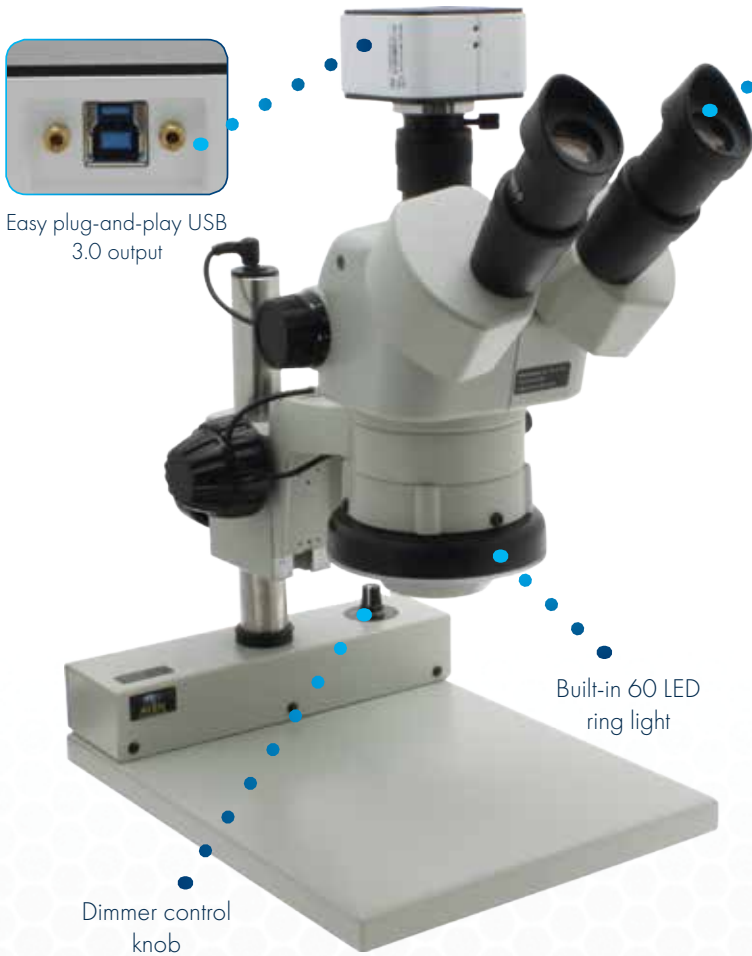
### ESD SAFE SPZV-50E STEREO ZOOM TRINOCULAR MICROSCOPE SYSTEM WITH USB CAMERA + IMAGE CAPTURE AND DOUBLE ARM BOOM STAND

Item #	26800B-373-7-ESD
Illumination	60 LED Ring Light
Eyepieces	10x wide field (FN: 23) 45° inclined
Objective Lens	0.67x—5.0x
Magnification	6.7x—50x
Working Distance	108mm / 4.25in
Zoom Ratio	7.46:1
Field of View	34.3mm—3.6mm / 1.4in—0.14in
Interpupillary Distance	52mm—75mm / 2.05in—2.6in
Diopter Adjustment	+/- 7.2 D in both eyepiece tube
Optical System	Greenough
Stand Type	Double Arm Boom
Base Dimensions	285mm x 260mm / 11.22in x 10.32in
Pole/Track Height	380mm / 14.96in
Package Contents	SPZV-50E Body, Double Arm Boom Stand 26800B-521, Tiltable Arbor 26800B-521, Focus Mount with Ring Light ESD Safe 26200B-207-ESD, Mighty Cam 26100-244

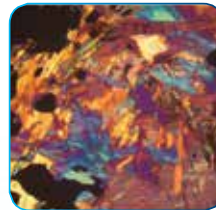
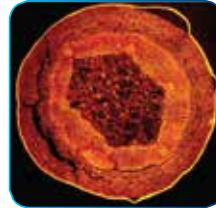
# SPZV-50 Trinocular System on PLED

with Mighty Cam USB 3.0 6M CMOS Camera + Software

<b>Dual View</b>	<b>High-Grade Optics</b>	<b>Imaging Software</b>	<b>PLED Stand</b>
Monitor and Eyepieces	Unibody Design	Capture, share, measure image	Built-in Dimmer Knob



6.7x-50x magnification



## FEATURES

- Magnification: 6.7x–50x with included 10x eyepieces
- Best-in-class large zoom ratio
- Easy plug-and-play USB 3.0 6 megapixel CMOS camera
- Mighty Cam 3.0 USB camera with imaging and measurement software
- 60 built-in LED ring light with dimmer control
- Fine and coarse focus adjustment

### SPZV-50 STEREO ZOOM TRINOCULAR MICROSCOPE SYSTEM WITH MIGHTY CAM USB CAMERA AND SOFTWARE

Item #	26800B-383
Illumination	60 LED Ring Light
Eyepieces	10x wide field (FN: 23) 45° inclined
Magnification	6.7x–50x
Working Distance	108mm / 4.25in without auxiliary lens
Zoom Ratio	7.46:1
Field of View	34.3mm–3.6mm / 1.4in–0.14in
Interpupillary Distance	52mm–75mm / 2.05in–2.6in
Diopter Adjustment	+5.6D-.72D in both eyepiece tube
Optical System	Greenough
Stand Type	PLED
Package Contents	SPZ-50E Body, Focus Mount with Ring Light 26200B-207, Mighty Cam USB 26100-244 w/ imaging software

## High Magnification and Superior Optics

Aven's SPZV-50 Stereo Zoom Trinocular Microscope offers the best-in-class zoom ratio with super sharp 3D images, wide field of view, and long working distance. A 60-LED ring light is built into the focus mount and illumination is adjustable with the dimmer control knob. The focus mount also provides coarse focus adjustments. The Mighty Cam 3.0 USB has an effortless plug-and-play function and imaging and measurement software allows for image measurement, live image capture sharing, and more. Monitor not included.



# SPZV-50E

## Stereo Zoom Microscope W/ Mighty Cam Eidos 2M

Integrated Camera/Monitor **ESD Safe**

**ESD Safe Coating**  
**Built-In LED Ring Light**

**6x-50x Magnification w/ Eyepiece**  
**19x-143x Magnification w/Eidos**

**Integrated Features**  
**11.6" 1080p HD Monitor**

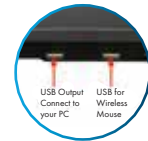
**Ergonomically Designed**  
**Ease of use with MightyCam Eidos Monitor**

Aven's Mighty Cam Eidos is an integrated 11.6" HD monitor connected to a 2M C-Mount inspection camera. Designed for ergonomic inspection, the Eidos eases the eyestrain and body fatigue associated with frequent microscope use.

SPZV-50E microscope provides crisp clear 3D images and a wide field of view. 6.7x to 50x continuous zoom with 10x eyepieces, or 19x to 143x magnification when viewing on the Mighty Cam Eidos monitor. This Product is **ESD Safe**.

### SPZV-50E Microscope Features

- View images through the eyepiece or a monitor simultaneously.
- Click stop zoom adjustment for accurate measuring
- Easy adjust C-mount camera adapter for fine focusing
- 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
- Specialized ESD Safe coating protects sensitive components from electrostatic discharge



### Mighty Cam Eidos Features

- Convenient 2-in-one camera and monitor system
- Simple cable management
- Crisp HD image
- Built in SD card reader for instant image/video capture
- USB output for connection to your PC
- Wireless mouse for access to settings menus
- Grid overlays
- Compare mode, freeze mode and mirror mode
- Alleviate the eye strain and neck fatigue associated with frequent microscope use

### PLED Stand Features

- Light weight compact stand
- Ideal for examining small parts
- Built in 60 LED ring light with dimmer control
- Low power consumption
- Comes with rack & pinion focus mount with course and fine adjustment knobs

#### SPZV-50E Stereo Zoom Microscope w/ Mighty Cam Eidos 2M Integrated Cam/Monitor ESD Safe

Item Number	SPZV-50E-514-260
Magnification	6.7x-50x
Camera	Mighty Cam Eidos 2M CMOS Camera
Body	Trinocular
Illumination	60 White LED
Working Distance	108mm 4.3in
Eye Pieces	10x wide field (FN:23)
Package Contents	SPZV-50 Microscope Stand PLED 26800B-512 Mighty Cam Eidos 2M Camera/Monitor 26100-260



120 LED Ring Light w/ Polarizer	Includes 10x Eyepieces	2-in-1 Camera & Monitor System	High-Grade Optics
Reduces Glare	6.7x—50x Magnification	SD Card Reader & USB Output	Unibody Design



## SPZV-50 Stereo Zoom Trinocular Microscope System with Eidos Camera and Ring Light w/Adjustable Polarizer

### FEATURES

- Multi-coated optical components and unibody design
- Magnification: 6.7x—50x with included 10x eyepieces
- Best-in-class, large zoom ratio
- 2-in-1 camera and monitor system with SD card reader and USB output
- 120 LED Ring Light with Adjustable Polarizer reduces glare from reflective subjects
- Heavy duty post stand with focus mount provides coarse and fine focus adjustments

### SPZV-50E TRINOCULAR MICROSCOPE SYSTEM WITH EIDOS CAMERA & RING LIGHT WITH ADJUSTABLE POLARIZER

Item #	26800B-373-3
Illumination	120 LED Ring Light w/ Adjustable Polarizer
Eyepieces	10x wide field (FN: 23) 45° inclined
Objective Lens	0.67x—5.0x
Magnification	6.7x—50x
Working Distance	108mm / 4.25in
Zoom Ratio	7.46:1
Field of View	34.3mm—3.6mm / 1.4in—0.14in
Interpupillary Distance	52mm—75mm / 2.05in—2.6in
Diopter Adjustment	+/- 7.2 D in both eyepiece tube
Optical System	Greenough
Stand Type	Heavy Duty Post
Base Dimensions	279mm x 330mm / 10.98in x 12.99in
Pole/Track Height	406mm / 15.98in
Package Contents	SPZV-50 Body, Mighty Cam Eidos 26100-260 Heavy Duty Post Stand 26800B-570, Ring Light w/ Adjustable Polarizer 26200B-222, Ring Light Adapter 26800B-460, Focus Mount 26800B-517

### Premium Trinocular System with a Small Footprint

Aven's SPZV-50 Stereo Zoom Trinocular Microscope on the Heavy Duty Post Stand offers the best-in-class zoom ratio with super sharp 3D images, wide field of view, a long working distance, and a magnification range of 6.7x-50x with the included 10x eyepieces. The Mighty Cam Eidos displays live high-resolution images on its 11.6in LCD monitor. It's equipped with an SD card reader and USB output, so there's no need for a computer or external monitor to take up work bench space.

The 120 LED Ring Light with Adjustable Polarizer features a built-in brightness dial and level of polarization adjustment. The polarized ring light significantly reduces the glare from reflective parts, allowing operators to see details that would otherwise be obscured or washed out.





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<b>LED Ring Light</b> 20,000 Hours High-Output LED Illumination	<b>6.7x - 50x Continuous Zoom</b> <b>10x Eyepieces</b>	<b>Trinocular Body</b> View Through Eyepieces or Monitor Simultaneously	<b>Large Working Distance</b> <b>Wide Field of View</b>
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# SPZV-50

## Stereo Zoom Microscope

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

Aven's SPZV-50 stereo zoom microscope provides crisp clear 3D images, long working distance and a wide field of view. 6.7x to 50x continuous zoom with 10x eyepieces. The C-Mount trinocular port on the top of the microscope is designed to be used with an external camera, giving operators the ability to view through the microscope eyepieces or on a monitor.

Includes Aven's Single Arm Boom Stand with an integrated table clamp. The 18" 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.

### SPZV-50 Stereo Zoom Microscope

- View images through the eyepiece or a monitor simultaneously
- Click stop zoom adjustment for accurate measuring
- Easy adjust C-mount camera adapter for fine focusing
- 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

### 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

### Single Arm boom Stand with Table Clamp

- Perfect for stationary video and microscopy applications especially where vibrations can disrupt your work
- 16" (406mm) x 1 1/2" (38mm) OD stainless steel vertical
- 18" (457mm) x 1 1/2" (38mm) OD aluminum horizontal

SPZV-50 Stereo Zoom Microscope W/ Ring Light And Single Arm Boom Stand	
Item Number	SPZV50-209-525
Magnification	6.7x-50x
Zoom Ratio	7.46:1
Body	Trinocular
Illumination	LED Ring Light
Working Distance	108mm 4.3in
Eye Pieces	10x wide field (FN:23)
Package Contents	Stereo Zoom Microscope E-Arm Focus Mount with LED Ring Light Single Arm Boom Stand with Table Clamp



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<b>LED Ring Light</b> 20,000 Hours High-Output LED Illumination	<b>6.7x-50x Magnification</b> 10x Eyepieces	<b>Articulating Arm</b> Smooth Movement And Excellent Stability	<b>Large Working Distance</b> Wide Field of View
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# SPZV-50

## Stereo Zoom Microscope

### W/ Articulating Arm Stand and Integrated Ring Light

Aven's SPZV-50 stereo zoom microscope provides crisp clear 3D images, long working distance and a wide field of view. 6.7x to 50x continuous zoom with 10x eyepieces. The C-Mount trinocular port on the top of the microscope is designed to be used with an external camera, giving operators the ability to view through the microscope eyepieces or on a monitor.

The articulating arm is great for examining parts attached to a large or awkward shaped item. Can be easily moved out of the way when microscope is not in use to create more bench space. Comes complete with Aven's E-Arm focus mount with an integrated LED ring light and LED adjustment controller.

### SPZV-50 Stereo Zoom Microscope

- 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

### 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

### Articulating Arm Stand with Table Clamp

- Allows great flexibility in positioning microscopes
- Can be moved out of way when not in use
- All metal construction

SPZV-50 Stereo Zoom Microscope W/ Ring Light And Articulating Arm Stand	
Item Number	SPZV50-209-550-PCL
Magnification	6.7x-50x
Zoom Ratio	7.46:1
Body	Trinocular
Illumination	LED Ring Light
Working Distance	108mm
Eye Pieces	10x wide field
Package Contents	Stereo Zoom Microscope E-Arm Focus Mount with LED Ring Light Articulating Arm Stand with Table Clamp