



Tools for  
Advancing  
Innovation

# SPZHT-135

## Stereo Zoom Microscope

W/ Mighty Cam Pro USB/ HDMI Auto Focus Camera

on PLED Stand and 22" HD Monitor Included

Included Software

Mosaic 2.1

21x - 135x Magnification w/ Eyepiece

71x - 495x Magnification On-screen

Integrated Features

11.6" 1080p HD Monitor

Ergonomically Designed

Ease of use with Monitor

True trinocular microscope. Provides crisp clear 3D images, long working distance and a wide field of view. 21x to 135x continuous optical zoom with 15x 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, as well as on-screen measurement tools for use in HDMI mode.



### Features:

- View images through the eyepiece or a monitor simultaneously
- Microscope Magnification Range 21x - 135x
- On-Screen Magnification Range 71x - 495x
- 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
- Diopter adjustment on both eyepiece tubes
- Features both USB and HDMI outputs for viewing on an HD monitor or your computer
- Mosaic software included. View live images, capture high resolution images and videos, measure, annotate, draw, create panoramic images, and more.
- SD card port included for image capture without a computer
- Achieve instant auto focus with no need to adjust the optical lens

### SPZHT-135 Stereo Zoom Microscope w/ MightyCam Pro USB/HDMI Auto Focus Cam and 22" HD Monitor

Item Number	DSZV-44-258-512
Body	Trinocular
Resolution	2MP 1920x1080
Magnification	21x-135x   71x-495x On-Screen
Outputs	HDMI, USB2.0 and SD Card
PC Software	Mosaic 2.1
Eye Pieces	1.5x wide field
Package Contents	Mighty Cam Pro USB/HDMI Auto Focus SPZHT-135 Stereo Zoom Microscope PLED Stand and 22" HD 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

21x-135x Optical Magnification  
71x- 459x On-Screen Magnification



# SPZHT135

## 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:

- Fast auto focus camera achieves instant clear images with no need to adjust the lens
- Camera features HDMI and USB outputs
- Inspect directly on an HD monitor or from a computer
- Advanced imaging/measurement software included
- 21x - 135x optical magnification , 71x - 459x on-screen magnification
- Click-Stop zoom knobs allow operators to make accurate measurements
- View through the microscope or or the HD monitor
- Save high resolution image/video files
- Built-in measurement program, no PC required
- HDMI and USB outputs for connection to PC or HD monitor
- Includes advanced measurement software for use in PC mode
- Outstanding Depth of Field

Stereo Zoom Trinocular Microscope SPZHT-135 On Ultra Glide Boom Stand, FOI With Mighty Cam Pro	
Item Number	26800B-373-13-PRO
Magnification	21x-135x   71x-259x (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, Fiber Optic Ring Light, Ring Light Adapter, 22" LCD HD Monitor





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

## Stereo Zoom Microscope

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

Aven's SPZHT-135 stereo zoom microscope provides crisp clear 3D images, long working distance and a wide field of view. 21x - 135x magnification. This microscope features a trinocular port to attach a digital camera for on-screen inspection.

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.

### SPZ-50 Stereo Zoom Microscope

- Total Magnification of 21X to 135X at 3.3" (84mm) working distance, Max 180X with 20X eyepieces
- Click stop zoom adjustments for accurate, repeatable measurement
- Standard High Eye Point wide field 15x eyepieces at 45 degrees for comfortable viewing
- Diopter adjustment on both eyepiece tubes
- Adjustable Interpupillary Distance of 1.96" (50mm) to 2.91" (74MM)
- Multi coated optical components, free from chromatic and spherical aberration
- One touch fine focus adjust trinocular camera port for quick, easy camera focusing and parfocaling the scope

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

- 60 Integrated LED ring light with dimmer control
- Minimum 20,000 hours of high-output LED illumination
- Low power consumption

### Dual Arm boom Stand with Table Clamp

- 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

SPZ-50 Stereo Zoom Microscope W/ Ring Light And Single Arm Boom Stand	
Item Number	SPZHT135-209-536
Magnification	6.7x-50x
Diopter Adjustment	+5.6D - 7.2D
Body	Binocular
Illumination	LED Ring Light
Working Distance	84mm (3.3")
Eye Pieces	15x wide field
Package Contents	Stereo Zoom Microscope E-Arm Focus Mount with LED Ring Light Dual Arm Boom Stand with Table Clamp



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Ergonomically  
Designed

View with  
Monitor &  
Eyepieces

Built in  
Illumination

60 White  
LEDs

21x-135x  
Microscope  
Magnification

40x-258x  
Monitor  
Magnification

High  
Resolution

1080 p

# SPZHT-135

## Trinocular Microscope W/ Mighty Cam Eidos Camera/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.

SPZHT-135 microscope provides crisp clear 3D images and a wide field of view. 21x to 135x continuous zoom with 10x eyepieces, or 40x to 258x magnification when viewing on the Mighty Cam Eidos monitor.



SD Card Slot  
Save High Res Images and Videos  
No Computer Required



### SPZHT-135 W/ Mighty Cam Eidos

Item Number	26800B-355
Continuous Zoom	21x-135x w/ 10x eyepice
Magification	40x-258x on Mighty Cam Eidos monitor
Body	Trinocular
Stand Base	220 x 284mm
Resolution	1080p
Illumination	60 White LED
Package Contents	SPZHT-135, Microscope Stand PLED, Mighty Cam Eidos 2M Camera/Monitor