



Tools for  
Advancing  
Innovation



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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Software  
**Mosaic 2.1**

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

Auto  
Focus  
Full HD  
1080p

60fps  
HDMI  
30fps  
SD Card, PC  
and USB

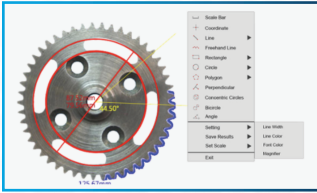
# Mighty Cam Pro

## Auto Focus HDMI/USB/SD

Aven's Mighty Cam Pro is an all-in-one inspection auto-focus camera. This camera offers both USB and HDMI outputs for inspection from an HD monitor or your PC via the included Mosaic software. This camera features integrated measurement capabilities for measuring without a PC. This camera also features a built-in SD card port for capturing instant high resolution images with no need for a PC.



### Integrated Measurement System \*No PC Required\*



Built in on screen tools provide powerful measurement functions including freehand line, rectangle, polygon, circle, bicircle, angle, point-line distance and much more. Three different length units of millimeter, centimeter and micrometer are provided to meet various measurement requirements in different applications. Simple calibration tool is also included.

### Mosaic Software Included

Compatible with Mosaic V2.1 Computational Imaging Software. Fast, efficient and worry-free is the core design concept of Mosaic V2.1 software. It adopts a new image "shooting-processing-measurement-reporting" function, modular design, and integrates various intelligent image processing algorithms. It is dedicated to providing users with more simple operation modes and improve work efficiency in all circumstances.

### Real-Time Image Stitching

It can generate large-sized mosaic images in a few seconds while moving the stage, which is light, smooth and worry-free! Real-time depth-of-field fusion.

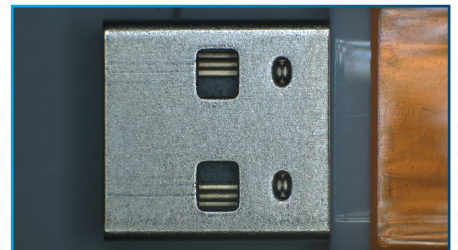
### Perfect Color Reproduction

Aven's color processing is capable of a new level of precision, matches the monitor image to the eyepiece view, produces extremely-high color definition.

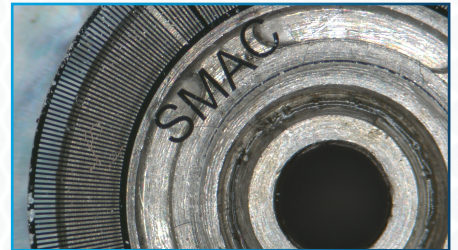
Macro Lens



Macro Lens



Micro Lens



Micro Lens

