



Tools for  
Advancing  
Innovation



6 Megapixel Sensor	Ergonomic Design	Save & Share Images	High Magnification
Stunning High- Resolution	Reduces Fatigue and Eye Strain	Imaging Software	26x -349x on 22" Monitor



# Mighty Cam USB

## Digital Microscope

### W/ Standard Post Stand

Designed for high magnification, this specialized digital microscope has a magnification range of 26.2x - 349.3x (on 22" monitor in full screen mode). This system includes Aven's Mighty Eidos - Integrated HD monitor and inspection camera. View High Res 1080p HD images on the 11.6" LCD monitor. No computer or external monitor required for inspection or image/video capture. The monitor can be tilted to the ideal viewing angle. Built-in USB output for PC connectivity. Includes a 1x objective lens and a 0.5x objective lens. The system also includes Aven's standard post Stand for easy scanning over larger objects.

**\*Monitor not included\***

### Features:

- USB 6M CMOS Camera with Imaging Software
- Professional Sony 6M CMOS Sensor (3072(H) x 2048(V))
- Easy Plug and Play USB 3.0 Interface
- Create large panoramic images with real-time stitching feature
- Ideal for use when large objects are to be viewed
- Compact and Light Weight
- Versatile C/CS lenses mount
- Save high resolution image files
- Calibrate accurate measurements
- Adjust the depth of field in real time

### Digital Microscope Mighty Cam USB With Standard Post Stand

Item Number	MLS640-244-570
Magnification	52.4x - 349.3x w/ 1x Objective Lens
Magnification	26.2x - 174.6x w/ .5x Objective Lens
Resolution	3072(H) x 2048(V)
Frame Rate	40FPS
Sensor	6mp CMOS 1/1.8" sensor
Data Interface	USB 3.0
Package Contents	Mighty Cam USB, Standard Post Stand, LED Ring Light, Micro Lens System Zoom, Micro Lens Adapter Plate, .5x Objective Lens E-Arm Focus Mount, 1x Objective Lens



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# Mighty Cam USB 3.0

## 6MP CMOS Camera With Imaging Software

Aven's Mighty Cam USB 6M CMOS Camera with imaging and measurement software. Create stunning images with outstanding clarity then measure, annotate and analyze with ease with the imaging software..

### Inspect From Your PC In Real Time

Aven's Mighty Cam is equipped with a 6 megapixel sensor and a USB 3.0 output, providing stunning, true-to-life images with minimal lag time.

### Save Images, Make Measurements, Create Reports

The included software provides an easy-to-use, yet sophisticated interface for saving high resolution images, writing annotations, generating reports and accurate measurements. This user-friendly interface is ideal for saving critical data and sharing information.

### Real-Time Depth Of Field Adjustment

When inspecting at high magnification, certain areas of specimen may not be in focus depending on the depth of the object. With the Real-Time Depth of Field feature, operators can adjust the focus parameters, with no need to adjust the physical optics.

### Create Panoramic Images

The software provides a "real-time image stitching" function. It can generate large-sized panoramic images in a few seconds. Requires a gliding stage for optimal performance.

### Excellent Image Performance

The use of a state-of-the-art ISP color-interpolation algorithm effectively corrects the color deviation of the sensor's spectral response, to simulate the human eye's sensitivity to color. The true color in the eyepiece, whether it is a biological bright field, stereo or fluorescence image.

### Professional Grade Image Sensor

Mighty Cam utilizes a Sony 6 megapixel CMOS 1/1.8" sensor-IMX178, with 2.4 x 2.4 μm pixels. The resolution of the captured image can reach 3072 x 2048.