

# AZ VISION



**Digital Microscope**  
**“Observation, Measure, Capture”**  
**71x magnification**

Equipped w/ measuring accuracy factory report  
Model: 9513.

**High Speed Camera**  
Capture the  $\frac{1}{8960}$  second moment  
Model: 9501 . 9502



AZ Website

Scan to know AZ



# DIGITAL MICROSCOPE

High mobility, User-friendly.  
Observe, measure & record  
ALL in ONE

Objective lens, camera, light source and screen integrated into one.

Comes with power adapter, mouse and dust cover.

It is ready to use after unpacking and plugging in the power supply. Eyes no longer need to rest on the eyepieces, and the 11.6" HD display is clear from distance.

2 million HD images  
Magnification up to 71 times

Integrating Sony IMX385 1/2" CMOS for clear imaging

The objective lens and screen display can provide excellent observation up to 71 times.

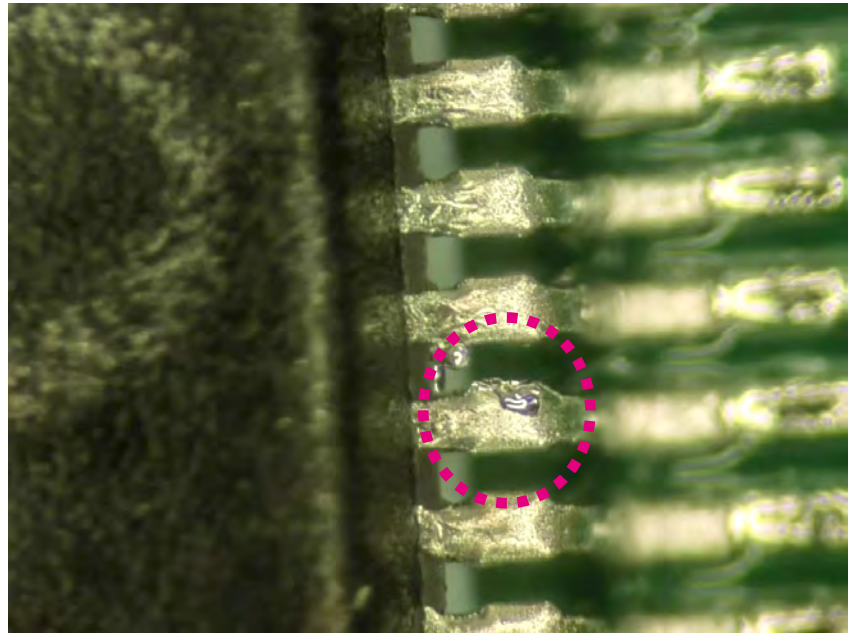
Even the defect on the pins of the 0201 component is clearly visible.

Smart depth of field synthesis

Targets that cannot be focused easily can also be presented clearly by using the manual depth-of-field synthesis feature.

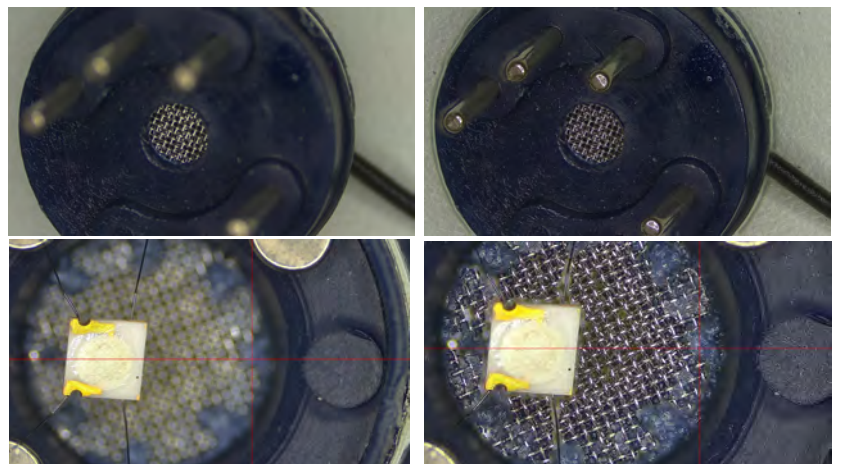
Simply set the initial viewing position, objects with different focal points on vertical or horizontal direction, both can be synthesized and generate an image matches all focal points.

Defects in PCB wires and tiny engravings on electronic parts are both clear



Before adjust

After adjust



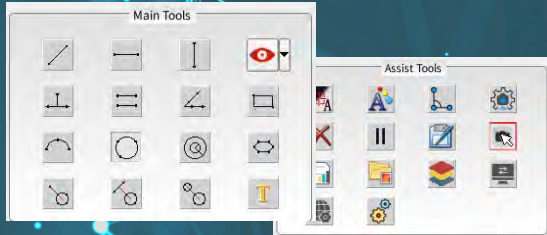


# DIGITAL MICROSCOPE

## A variety of ease-to-use 2D measurement functions

It has 16 basic measurements and 12 auxiliary tools. Through simple mouse operation, you can perform various measurements between 2 points, angles, diameters, parallel lines, areas, etc. on the screen in real time.

There are three interfaces: Traditional Chinese, Simplified Chinese, and English.



## Best helpmate of researcher and quality check

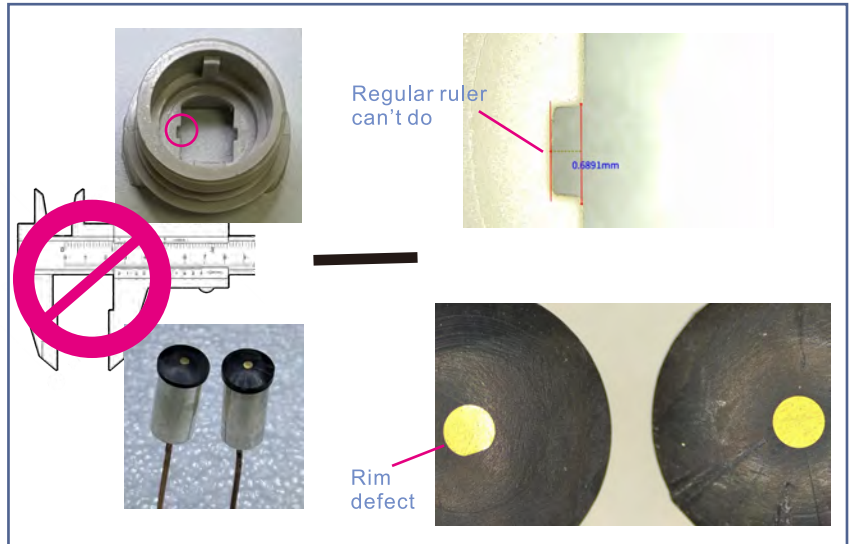
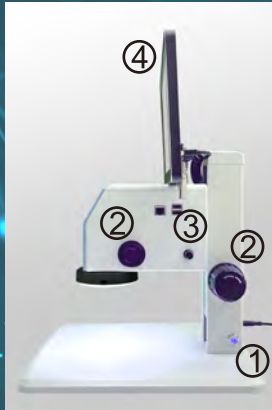
Suitable for tiny spot or position that cannot be measured by ordinary rulers, speed up the efficiency of R&D and quality inspection. It is also very easy to use.

Step 1:  
Power up

Step 2:  
Adjust till best view

Step 3:  
Adjust light

Step 4:  
Entering lens magnification value into display.



## Saving images & measured results can't be easier

Just plug in user-prepared USB flash drive to save the observed images.

Not only can the images be stored, but also the measurement results during the observation can be stored.





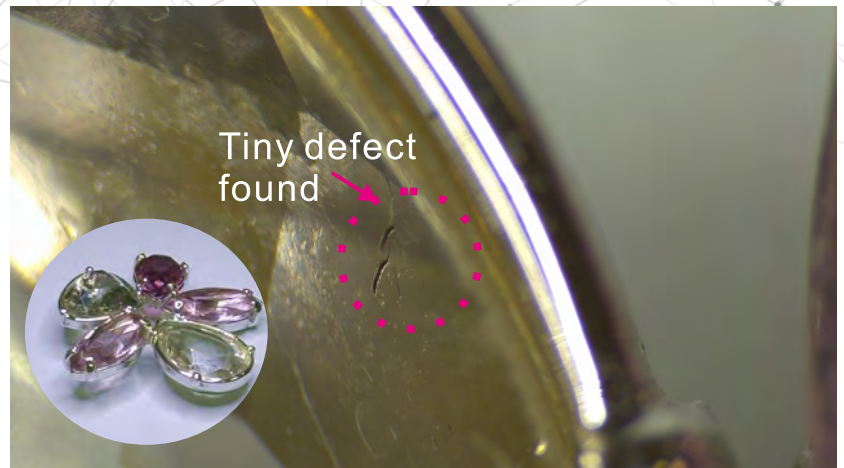
# DIGITAL MICROSCOPE

## High brightness LED lighting

Power-saving and long-life ring-type white LED high-luminant lighting.

LED makes the tiny details on the surface of non-transparent objects more clearer under test.

Adjustable brightness to match different reflection conditions of object surfaces.



## To observe object from different angle is also easy

Is it troublesome to move the object under test?

No problem, we have an optional reflection optics that can observe the object under test **360** degrees in a circle.



## SPECIFICATION

Product	Series Model	Vision 9513	Vision 9513	Vision 9513	
Camera	Sensor	Sony IMX385	Illuminator	Illuminator type	144-LED ring light
	Sensor Type	CMOS		Brightness	Adjustable
	Sensor Optical Format	1/2"		Direction	Incident illumination
	Active Pixels	2M (1920*1080)		Power requirement	12VDC universal adaptor
	Pixel Size	3.75um*3.75um		USB port	for mouse (or wireless keyboard set) 1 for USB stick
	Active sensor area	7.2mm*4.05mm		LAN (Not yet active in this model)	1000Mbps RJ45 connector
	Shutter	electronic rolling shutter		Operation Temp.	0~70 degree C
	Frame rate	60FPS		Stand type	Table stand with track
Lens	Resolution	1920*1080	General	Base dimension	320*260*20mm
	Scanning system	Finite-conjugate		Column dimension	Height: 299mm Width: 54mm
	Objective Magnification	0.7X~5X zoom with detent		Full set total size	320*260*520mm
	Objective Numerical Aperture	3.6mm ~26mm		Full set weight	7Kgs
Monitor	Working Distance	95mm	Made in China	We offer customization service for customers who need <u>special LED lighting</u> , <u>image inspection tool</u> , and <u>internet connection</u> , please contact us and let us know your requirement and Qty for further quotation	
	Display Size	11.6" TFT high resolution display			
	Display Magnification	10X~71X			
	Native Resolution	1920*1080			
	Aspect Ratio	16:9			
Brightness	400 nits				