

AM7013MZT4



The Dino-Lite Premier AM7013MZT4 digital handheld microscope allows you to see at 430x~470x magnifications with the benefits of adjustable polarization. It has a five Megapixels sensor that allows you to view great detail and capture large images at 2592 x 1944. This model is ideal for situations that require over 400x magnification with polarization yet need the large details of a five Megapixels sensor.

The polarization ability allows you to see fine details of surfaces such as semi-transparent materials like; jewelry, skin, glass, or plastic. It is also ideal for examining highly reflective materials, such as metals or solder joints. The polarizer on the AM7013MZT4 can be freely adjusted allowing for different amount of polarization for effective examination. The Dino-Lite Premier AM7013MZT4 is an USB 2.0 device allowing you to digitally examine objects on your computer. It comes with DinoCapture 2.0 software that allows you to take pictures, record video, and annotate on images. Certain models such as this also feature measurement and calibration tools. The AM7013MZT4 is a great tool for high magnification imaging that requires polarization.

Overview



Adjustable polarization

Useful for suppressing glare from reflective materials, such as metals, plastics, or glass, and applicable in dermatology for observing the sub dermal layer of skin.



5.0 Megapixels

Capture incredibly detailed images with up to 2592 x 1944 resolution.



Over 400X magnification

See more details with 430x-470x.



USB 2.0 Interface

Digitize the microscopy experience; allow easy recording and sharing of observations in the office or out in the field with a compatible PC or MAC



Professional measurement tools

Use professional measurement tools that are calibratable for assured accuracy and conveniently document or share information with the bundled software.



MicroTouch

Under magnification the slightest movement can be a big change. You can use the MicroTouch, a protruding and easy to find touch sensitive trigger on the Dino-Lite that minimizes movement when used for taking pictures.



Robust housing

Tough aluminum alloy housing that is treated to diffuse static, rust resistant, scratch resistant, and ROHS compliant.

Information about working distance and field of view

M	WD	FOV (x)	FOV (y)
430	-0.45	0.92	0.69
440	0.4	0.9	0.67
450	1.35	0.88	0.66
460	2.3	0.86	0.65
470	3.15	0.84	0.63

M = magnification rate WD = working distance (without front cap) FOV = field of view DOF = depth of field Unit = mm



**Must be near or touching
the object to obtain focus**

Specification

Model : AM7013MZT4 Dino-Lite Premier

Interface : USB 2.0

Product Resolution : 5M pixels (MJPEG codec may be required to run at 2592 x 1944 resolutions)

Magnification Rate : 430x~470x

Sensor : Color CMOS

Frame Rate : Up to 30fps

- Save Formats:

+ Image:

DinoCapture2.0: BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM

DinoXcope: PNG, JPEG

+ Movie:

DinoCapture2.0: WMV, FLV, SWF

DinoXcope: MOV

Microtouch : Touch sensitive trigger on the microscope for taking pictures

Lighting : 8 white LED lights switched on/off by software

Polarizer : Yes

Measurement Function : Yes

Calibration Function : Yes

Operating System Supported : Windows 10, 8, 7, Vista, XP;

MAC OS 10.4 or later

Unit Weight : 140g

Unit Dimension : 10.5cm (H) x 3.2cm (D)

Package Dimensions : 21.5cm(L) x 18cm(W) x 7cm(H)

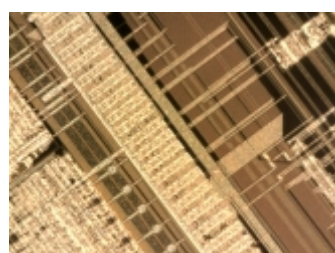
Gallery



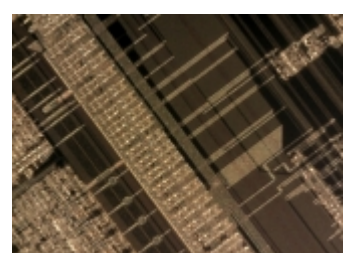
root of hair without
polarizer



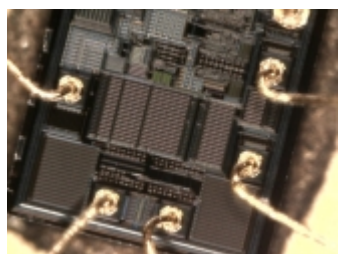
root of hair polarizaer



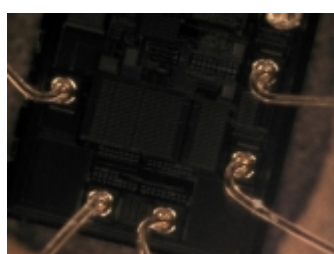
IC without polarization



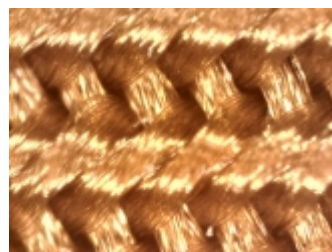
IC without polarization



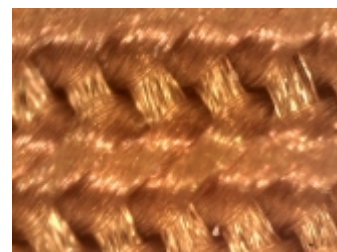
gold ball without
polarization



gold ball with polarization



fabric without polarization



fabric with polarization