

## AM7013MZT



The Dino-Lite Premier AM7013MZT digital handheld microscope is equipped with adjustable polarizer abilities. Allowing you to observe things in high resolution and see things you couldn't with direct lighting. With up to 200x magnifications depending on working distance, polarization, and 2592x1944 of resolution; you will not miss detail under any magnification.

The AM7013MZT is appropriately incased with an aluminum alloy providing robust protection only fit to hold 5 Megapixels of viewing power. It also includes our convenient Microtouch II sensor for on microscope picture taking and built in bright white LEDs to instantly illuminate objects.

The Dino-Lite digital handheld microscope experience is not complete without the included DinoCapture 2.0 software that allows you to take pictures, record video, and also annotate on images. This model also includes the measurement and calibration capabilities only available for professional models such this. The AM7013MZT with 5 Megapixels sensor and adjustable polarizer allows you to observe in overwhelming detail under any magnification and see more with its adjustable polarizer.

### 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.



#### Up to 200x magnification

Have the freedom to magnify from 20x to 50x the closer the Dino-Lite is to the target, using the Dino-Lite knob to focus for each magnification. Achieve an additional 200x when the Dino-Lite is at close range.



#### 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)
20	48.7	19.8	14.9
30	21.7	13.2	9.9
40	9.0	9.9	7.4
50	1.9	7.9	5.9
60	-2.3	6.6	5.0
220	-0.1	1.8	1.4
230	1.0	1.7	1.3
240	2.1	1.7	1.2

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



## Specification

Model : AM7013MZT 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 : 20x~50x, 200x

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)

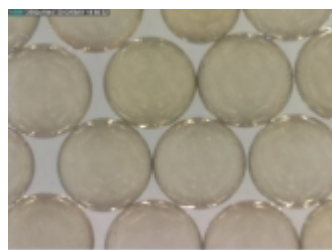
## Gallery



plastic slit



plastic slit



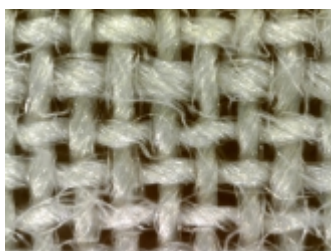
plastic particle



plastic particle



Pin



nylon fiber



JU Ware