



AM4013MZTL

The Dino-Lite Premier AM4013MZTL digital handheld microscope features with longer working distance, an adjustable polarizer, enhanced 1.3MP sensor, and metallic housing providing a microscope that has high magnification at a nice working distance with the ability to reduce glare, have advanced image quality, and the ruggedness to withstand the test of time.

The AM4013MZTL has high magnification at longer working distances which requires some distance to obtain a focal point. With that in mind, it has variable magnification depending of distance with a max magnification of 90x with a minimum working distance of approximately 5cm away. An example to compare it to is with an AM413MT with 200x optics, it requires you to nearly touch the object to obtain 50x or 200x. With the AM4013MZTL longer working distance optics, its maximum magnification of 90x has to be obtained at approximately 5cm away. Having a Dino-Lite with longer working distance is great for applications that require a certain space between object and microscope to either work under or require a certain distance to view.

With the adjustable polarizer, you can adjust the amount of glare that reflects from what you are viewing, so you can see fine details of surfaces by fully or partially removing the reflection of semi-transparent materials like; jewelry, glass, or plastic. It is also ideal for examining highly reflective materials, such as metals or solder joints. The AM4013MZTL enhanced 1.3 Megapixels sensor provides improved low light visibility, so you can view and see more detail when lighting is not perfect. The enhanced 1.3 Megapixels sensor also provides very detailed images at its max resolution of 1280x1024 so you do not mess a thing.

The metallic housing of this model suits it for professional use, and has a robust feel that cannot be found from similar handheld microscopes of its kind. It provides extra protection of the microscope from the elements and retains its looks after heavy usage of the microscope.

The AM4013MZTL comes with the DinoCapture 2.0 software for PC's and DinoXcope software for MAC's. It allows you to take pictures, record videos, and also annotate on images. With professional models such as this, there is also measurement and measurement calibration tools to instantly gather or share important information of what you're looking at.

The Dino-Lite Premier AM4013MZTL digital handheld microscope is the perfect companion for people who require high magnification at a distance and the ability to reduce glare from highly reflective objects. And yet it can still handle some abuse with its metallic housing. Plug the USB to your computer and use the included software. The AM4013MZTL digital handheld microscope provides the ultimate digital microscope experience.

Overview



Enhanced 1.3 Megapixels

It observes with accurate color reproductions and retain details under low lighting with the optimum resolution for detailed live preview and captured images.



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.



Long working distance

Approximately 90x max magnification over 5cm providing comfortable space between objects.



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.



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.

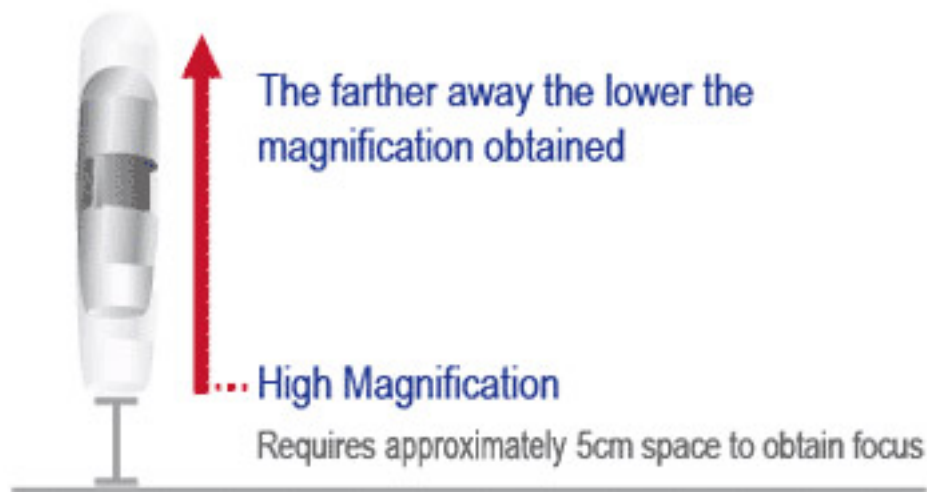
Information about working distance and field of view

M	WD	FOV (x)	FOV (y)
430	-0.45	0.91	0.73
440	0.4	0.89	0.71
450	1.35	0.87	0.7
460	2.3	0.85	0.68
470	3.15	0.83	0.67

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

DOF=

depth of field Unit = mm



Specification

Model : AM4013MZTL Dino-Lite Premier

Interface : USB 2.0

Product Resolution : 1.3M pixels (SXGA)

Magnification Rate : 20x ~ 90x

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)