

AM4113ZT



The Dino-Lite Premier AM4113ZT is a 1.3 Megapixels handheld digital microscope with adjustable polarization. It is especially useful in suppressing glare from reflective materials, such as metals, plastics, or glass. The convenient Dino-Lite design allows microscopy that can be brought to the field and examine large or small objects. This model is featured with variable optical magnification capable of up to 200x. With high sensitivity 1.3 Megapixels sensor to reveal more detail under polarization and high magnification.

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.



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.



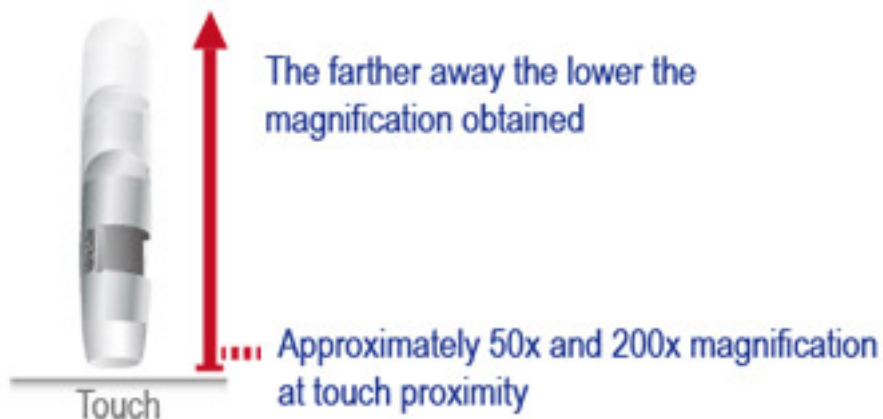
Adjustable polarization

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.

Information about working distance and field of view

| M | WD | FOV (x) | FOV (y) |
|-----|------|---------|---------|
| 20 | 48.7 | 19.6 | 15.6 |
| 30 | 21.7 | 13.0 | 10.4 |
| 40 | 9.0 | 9.8 | 7.8 |
| 50 | 1.9 | 7.8 | 6.3 |
| 60 | -2.3 | 6.5 | 5.2 |
| 220 | -0.1 | 1.8 | 1.4 |
| 230 | 1.0 | 1.7 | 1.4 |
| 240 | 2.1 | 1.6 | 1.3 |

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



Specification

Model : AM4113ZT Dino-Lite Premier

Interface : USB 2.0

Product Resolution : 1.3M pixels (SXGA)

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

DinoXscope: PNG, JPEG

+ Movie:

DinoCapture2.0: WMV, FLV, SWF

DinoXscope: 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 : 105g

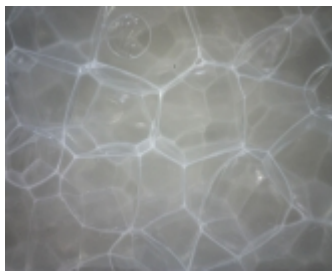
Unit Dimension : 10.5cm (H) x 3.2cm (D)

Package Dimensions : 16cm (L) x 16cm (W) x 6cm (H)

Gallery



gearwheel



styrofoam polarizer



styrofoam without
polarizer



skin without polarizer



skin polarizer



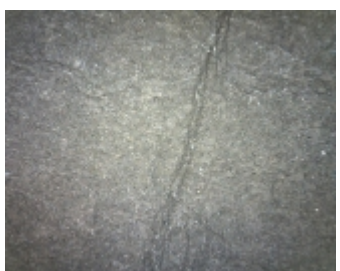
scalp



plastic slit



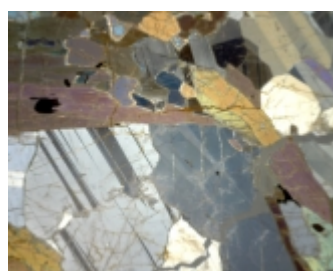
plastic slit



paper fiber



metallurgy



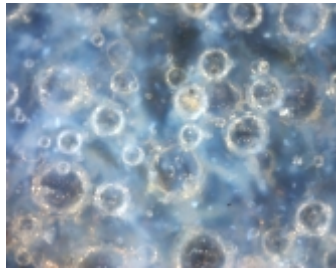
metallurgy



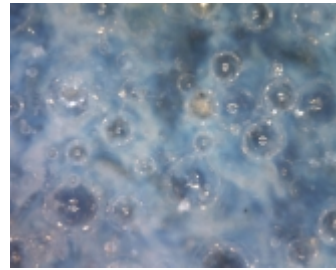
crystalline rock



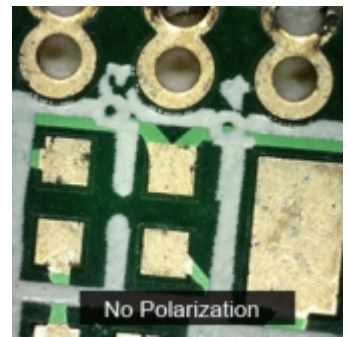
crystalline rock



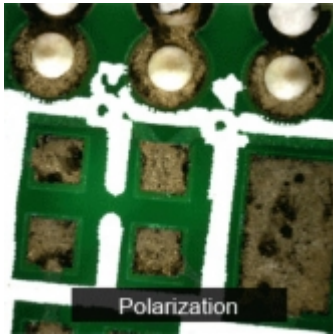
celadon polarizer



celadon without polarizer



Checking oxidation on PCB board with 50x - No Polarization



Checking oxidation on PCB board with 50x - Polarization



Observing skin at 50x - Polarization



Observing skin at 50x - No Polarization