



Handheld Microscopes

Dino-Lite Series (U.S.A Patent # 7.102.817.B1)

Model :

AM413ZTS (Polarized)

Up to 30FPS	1.3	10x~ 220x
Frame/ second	Mega pixels	Zoom range

- Handheld Digital Microscope
- Built in Polarizing kit can be switched on/off
- “Micro-Touch” (trigger button)
- Measurement feature with calibration
- USB 2.0 Output
- 1.3M / Resolution 1280x1024
- Magnification: 10x - 55x, ~ 220x



Product Applications

The AM413ZTS (polarized) model is designed to achieve 50x or 200x at ~6mm WD without having to touch the object, or (90x-120x) magnification when you touch the object. 10X ~ 40X Working distance is from 6 inch ~ 0.4 inch. The popular variable cross polarization feature allows the user to effectively reduce the effects of glare and to help eliminate "hot spots" from highly reflective surfaces and providing uniform illumination to bring out more surface detail with minimal glare.

The key difference between the AM413ZT and the AM413ZTS is the shortened plastic nozzle on the AM413ZTS. The nozzle has been trimmed to allow contact-free examination of a subject at the highest magnification or (85x and 2nd focus 145x) magnification when you touch the object. AM413ZTS provides the greatest range of magnification when paired with an accessory stand like the MS34B, MS35B, or MS36B. The AM413ZT achieves the highest magnification in handheld use. This is beneficial when the user needs more portability, without requiring a stand.

The Dino-Lite Polarizing system can be switched on/off or can be adjusted to offer full or half polarization, providing the versatility required for use in the Dermatology - Skin or Scalp check, for diagnosis, cosmetic, follow up, hair loss treatment, etc. As well biomedical, printing/graphic arts, surface analysis and a variety of other fields.

The 1.3 mega pixel resolution AM413ZTS also comes with the calibrated measurement feature and all of the other standard features found in the Dino-Lite line of digital microscopes including the "DinoCapture" software which enables you to "capture" either a photograph, video or time-lapsed video with a simple click!

Features/Specifications

General Features:

- “Micro-Touch” (trigger button)
- USB 2.0 Output, 1.3M / Resolution 1280x1024
- Magnification: 10~220X Variable magnification
- Measurement with calibration features

Technical Specifications:

- “Micro-Touch” (trigger button)
- USB 2.0 Output, 1.3M / Resolution 1280x1024
- 10~220X Variable magnification
- Sensor: Enhanced Color CMOS
- Video frame Rate: up to 30 frame-per-second, 15fps at 1.3M
- Illumination: Built-in 8 white LEDs
- LED on/off controlled by software
- Save File format: BMP, JPG, AVI
- Compatible Windows XP, Vista, 7 and MAC OS 10.4 and greater
- Measurement with calibration features

Microscope Dimensions and Weight:

- Body length: 4 inches / 10.2 cm
- Body Diameter: 1.26 inches / 3.2cm max.
- Cable length: 6 feet / 180 cm

Mechanical Layout:

- Body with USB cable: 95g +/- 10g
- Total package weight: 280g +/- 20g (not including manual)

Regulatory Approvals:

- CE, FCC, ROHS

Package includes:

- DinoLite digital microscope
- Application Software CD
- ZT Holster for all BigCatch stand
- Deluxe storage bag

Options:

- Table top stand MS35B is recommended
- Articulating desktop stand MS22B, MS52B, MS72B
- Multi-positioning Specimen Holder MS16C
- USB 6 feet Extension cable

Additional Information:

- Polarizing kit can be switched on/off or can be adjusted to offer full or half polarization
- Additional working distance between 55X to 215X
 - 55X & 215X - 6.5mm WD
 - 60X & 195X - 4mm WD
 - 65X & 180X - 3mm WD
 - 70X & 170X - 2mm WD
 - 75X & 155X - 1mm WD
 - 85X & 145X - Touch

Product Requirements:

- Intel Pentium 4 2.4GHz processor or faster
- Windows XP, Vista, 7
- 512 MB RAM
- CD-ROM drive
- 16-bit color display monitor or higher
- Available Hi-speed USB 2.0 Port



