

Dino-Lite Series

Portable, handheld Dino-Lite Digital Microscope / Camera



Model : AD413ZT

- Handheld Digital Microscope
- Polarized with interchangeable nozzle features
- 1.3M / Resolution 1280x1024, 12~220X Variable Magnification
- Effective magnification rate can reach 330x with digital "zoom in"
- USB 2.0 Output
- LED on/off controlled by software
- Accurate measurement w/ calibration features



Description

Product Number	AD-413ZT	Magnification	12~200X Various Magnification (zoom in option - 330x)
Warranty Period	1 Year	Pixels	1.3M
Condition	New	Resolution	1280x1024
Packaging	Retail Box	Data Output	USB 2.0
Tech Support	Dealer or BigC.com	Sensor	Enhanced Color CMOS
Regulatory Approval	CE, FCC, ROHS	Country of Origin	Taiwan
Unit Weight	0.2 lb / 90gm	Unit Weight w/package	0.62 lbs
Unit Dimension	4" (H) x 1.26" (D)	Unit Box Dimension	6.5"x6.5"x 2.5"

Product Applications

The AD413ZT/MZT (metal bodied) polarized convertible model with interchangeable nozzle features is designed to 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 AD413ZT/MZT comes with 3 interchangeable nozzles, a polarized nozzle, a standard open faced nozzle, as well as a sealed transparent cap nozzle designed to protect the lens and built in LED lights from dust, debris and moisture common to certain work environments. The Dino-Lite Polarizing system can be removed or switched on/off or also can be adjusted to offer full or half polarization, providing the versatility required for use in the Dermatology, hair loss treatment, biomedical, printing/graphic arts, surface analysis and a variety of other fields. The removable nozzle feature also provides the user the option of increasing working distance when using the digital microscope without any nozzle installed, allowing for 60X-180X and up to 220X magnification (at 0.0-0.4 inch working distance) without coming into contact with the observed object.

Note: It is recommended that external lighting be applied when using the AD413ZT/MZT at 3.5 inch or greater working distance(s) (APPROXIMATELY 12X magnification or below).

The removable and interchangeable nozzle feature also allows the "AD" series of scopes to be receptive and compatible with current and future add-on feature upgrades including disposable nozzle covers, making it an ideal dermatology inspection device which can be used with approved resolution oils for detailed deep imaging. Dino-Lite digital microscopes are an affordable feature loaded portable magnification device designed for dedicated professional and general inspection applications. The 1.3MP resolution AD413ZT/MZT is also equipped with calibrated measurement and other standard features such as "Microtouch" shutter trigger, 8 built in LED lights with on/off, etc. found in previous AM4XX models. Included with each Dino-Lite digital microscope is a copy of the "DinoCapture" software, enabling you to "capture" either a photograph, video or time-lapsed video and perform measurement and other critical tasks.

Features/Specifications

General Features:

- Resolution: 1280x1024 pixels
- Interface: USB 2.0
- Magnification: 12x ~200x
- Effective magnification rate can reach 330x (VGA Mode only) with digital "zoom in"

Technical Specifications:

- Resolution: 1280x1024 pixels
- Interface: USB 2.0
- Magnification: 12x ~200x
- Effective magnification rate can reach 330x with digital "zoom in"
- Sensor: Enhanced Color CMOS
- Video frame Rate: up to 30 frame-per-second

- Illumination: built-in 8 white LED's
- LED on/off controlled by software
- Save File format: BMP, JPG, AVI
- Compatible Windows 2000/XP, Vista and most MAC OS ([please verify MAC OS](#))
- Accurate 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
- Polarized nozzle, a standard open faced nozzle, a sealed transparent cap
- Deluxe storage bag

Options:

- Table top stand MS35B, MS36B, MS52B, MS72B, MS16C
- Articulating desktop stand MS22B, MS33W

Additional Information:

AD-413ZT/ MZT 12x~200X has additional Magnification after remove lens cover
Magnification / Working Distance

50x ~ 10mm

75x ~ 6.5mm

100x ~ 4mm

125x ~ 4mm

150x ~ 5.5mm

175x ~ 7mm

200x ~ 10mm

Product Requirements:

- Intel Pentium 4 1.5G MHz processor or faster
- Windows 2000/XP, Vista
- 256 MB RAM
- CD-ROM drive
- 16-bit color display monitor or higher
- Available USB 2.0 port