

Dino-Lite Series

Dino-Lite Portable Digital Microscope / Fluorescent UV Camera



Model : AM413T-FVW (10X ~200X)

Model : AM413TL-FVW (10X~92X With Enhanced WD)

- Handheld Digital Microscope
- Built-in LEDs: 4 white and 4 near UV (switchable by Software)
- “Micro-Touch” (trigger button)
- Measurement feature with calibration (not available on Mac OS)
- USB 2.0 Output, 1.3M / Resolution 1280x1024
- Magnification: 10x - 70x, 200x (model: AM413T-FVW)
- Magnification: 10x ~20X, 20X~92X (AM413TL-FVW)

Description			
Product Number	AM413T-FVW or AM413TL-FVW (390-400 nm)	Magnification	10~70x, 200X Continuous (“L” series -10X~92X)
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	1/3” Color CMOS
Regulatory Approval	CE, FCC, ROHS	Country of Origin	Taiwan
Unit Weight	0.2 lbs / 90gm	Unit Weight w/package	0.62 lbs
Unit Dimension	4” (H) x 1.26” (D)	Unit Box Dimension	6.5” x 6.5” x 2.5”

Product Applications

Models AM413T-FVW and AM413TL-FVW feature both white and fluorescent ultra-violet LED lighting in a single device. The option of viewing magnified objects under normal LED white light or fluorescent ultra violet lighting by simply switching from one to the other. The new enhanced UV filtering system provides improved fluorescence contrasting for use in forensics, biomedical or machine vision applications. The ability to switch from white light to



fluorescent UV as well as on/off provides the user task flexibility and versatility. These two new models also come with calibrated measurement and all of the other standard features found in the Dino-Lite line of digital microscopes. The AM413TL-FVW ("L" series) is designed for use at greater working distance than non-"L" series.

Ideal for scientific, medical and engineering research and inspection, as well as industrial quality control (parts inspection, failure analysis), dermatology (skin/scalp) exam, law enforcement (counterfeit ID, crime lab, CSI, etc). Simply use your imagination!

Included with each Dino-Lite digital microscope is a copy of the "DinoCapture" software which will allow you to "capture" either a photograph, video or time-lapsed video with a simple click!

Features/Specifications:

General Features:

- Excitation: near-UV with filter LEDs 390-400nm
- "Micro-Touch" (trigger button)
- USB 2.0 Output, 1.3M / Resolution 1280x1024
- Magnification: 10x - 70x, 200x (model: AM413T-FVW)
- Magnification: 10x ~20X, 20X~92X (model: AM413TL-FVW)

Technical Specifications:

- Excitation: near-UV, 390-400nm
- Emission Filter Cutoff Wavelength: 425nm
- "Micro Touch" (trigger button)
- Interface: USB 2.0
- Resolution: 1280x1024 pixels
- Magnification: 10x - 70x, 200x Continuous
- Sensor: 1/3" Color CMOS
- Video frame Rate: up to 30 frame-per-second
- Illumination: built-in 4 white and 4 fluorescent UV LEDs (3 steps switchable by software)
- Accurate measurement features
- Save File format: BMP, JPG, AVI
- Compatible Windows 2000/XP/ Vista and most MAC OS (please verify OS)

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: 0.2 lbs / 95g +/- 10g
- Total unite with cable weight: 0.6 lbs / 280g +/- 20g (not including manual)

Regulatory Approvals:

- CE, FCC, ROHS

Package includes:

- DinoLite digital microscope
- Application Software CD
- Cradle stand
- Deluxe storage bag

Options:

- Table top stand MS35B, MS16C
- Articulating desktop stand MS22B, MS52B, MS72B
- USB 6 feet Extension cable

Additional Information:

- The USB connection eliminates the need for interface cards or expensive software
- The software for the collection and processing of photos is included.

---AM413 "L" Series (Model AM413TL-FVW) Magnification vs. Working Distance table---
(92X) Mag @ 4.7 cm /1.9" from object - FOV= 0.15" (L) x 0.11" (W) / 3.8mm x 2.85mm
(79X) Mag @ 5.0 cm /2.0" from object - FOV= 0.18" (L) x 0.13" (W) / 4.5mm x 3.3mm
(52X) Mag @ 6.3 cm /2.5" from object - FOV= 0.27" (L) x 0.20" (W) / 6.8mm x 5.1mm
(27X) Mag@ 11.5 cm /4.5" from object - FOV= 0.52" (L) x 0.38" (W) / 13mm x 9mm
(20X) Mag@ 14.4 cm /5.7" from object - FOV= 0.7" (L) / 0.4" (W) / 18mm x 10 mm

Product Requirements:

- Intel Pentium 4 -2.4G MHz processor or faster
- Windows 2000/XP, Vista
- 512 MB RAM
- CD-ROM drive
- Available USB 2.0 port