

AD4113TL

Dino-Lite Premier



Summary

The AD4113TL is a longer working distance model with a 10x – 90x magnification range and interchangeable nozzle feature.

Included are 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 removable nozzle also provides the user the option of increasing working distance when using the digital microscope without any nozzle installed.

The AD4113TL is designed with greater working distance(s) in mind and have enhanced lighting for improved illumination. The removable and interchangeable nozzle also allows the “AD” series of scopes to be receptive and compatible with current and future add-on feature upgrades, such as the 90-degree viewing option.

Overview

- 20x - 90x Magnification
- 1280 × 1024 pixels
- 30 FPS
- Working Distance: Long
 - a. This is a [Long Working Distance](#) model, due to the range required for focusing at specific magnifications, we recommend the use of a [stand](#).
- USB 2.0 connection
- Compatible with: Mac OS, Windows

Optical Data Table

Magnification	Working Distance	Field of View (x)	Field of View (y)	DOF
20	151.0	19.6	15.6	
30	101.0	13.0	10.4	
40	77.2	9.8	7.8	
50	64.1	7.8	6.3	
60	56.2	6.5	5.2	
70	51.3	5.6	4.5	
80	48.3	4.9	3.9	

Units = Millimeter

25.4 mm = 1 Inch

Mag: Magnification

WD: Working Distance - The distance between the tip of the Dino-Lite (without cap) and the object in focus

FOV: Field of View

DOF: Depth of Field

Specification

Measurement & Calibration	Yes
Flexible LED Control (FLC)	No
Automatic Magnification Reading (AMR)	No
Extended Depth of Field (EDOF)	No
Enhanced Dynamic Range (EDR)	No
Depth Acquisition (DPQ)	No
Axial Illumination (AXI)	No
Polarization	No
Magnification Range	20x - 90x

LEDs	White (8)
Working Distance	Long
Microtouch Sensor	Yes
Magnification Lock	Yes
Connection Type	USB 2.0
Resolution	1280 × 1024 pixels
Operating System	Mac OS, Windows
Frame Rate (max)	30 fps
Body Material	ABS Plastic
Dimensions	10.5cm (L) x 3.2cm (D) (4.13" x 1.26")
Weight	105g (3.7 oz)
Cable Length	182cm
Imaging Standards	UVC
Warranty Period	2 years
Emission Wavelength (Filter)	N/A
Excitation Wavelength (LED)	N/A
Manufactured in	Taiwan
Regulatory Approval	CE, FCC

<https://www.dinolite.us>

Toll-free: 888-668-2442

Local: 310-618-9990

International: +1 310 618 9990

Sales: sales@dinolite.us

Support: support@dinolite.us

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