

AM4115ZTL



Also work with Accessory - N3C-R (Ring Light Cap)

The Dino-Lite® AM4115ZTL Edge series handheld microscope features improved optics for sharper images, an adjustable polarizing filter, and a long working distance. With its polarizer feature, this model is especially well suited for applications involving highly reflective or translucent materials, such as electronics repair, LCD quality inspection, or jewelry fabrication.

The AM4115ZTL includes our standard MicroTouch shutter button for quick and convenient picture taking, while the built-in bright white LEDs fully illuminate the viewing subject. The specialized software bundled with this product allows users to calibrate the microscope, capture & annotate images, measure image features, and record video.



High-resolution imaging

This Dino-Lite Edge series microscope maximizes observed details with state-of-the-art lens design for clearer, sharper images. This model supports high-resolution SXGA (1280x1024) image output for superior image quality.



PC/MAC Compatibility

Digitize the microscopy experience with easy recording and sharing of observations in the office or in the field with a compatible PC or MAC with USB 2.0 port. Use professional measurement tools with calibration for assured accuracy and conveniently capture and modify photos with the bundled software.



Largest magnification range with long working distance

The wide magnification range (10x to 140x) is achieved with working distances greater than 29 mm (without front cap), which can be helpful when clearance is required between the microscope and the viewing object.



Adjustable polarizer

This model includes a rotatable polarized light filter (polarizer) that is useful for suppressing glare from reflective materials, such as metals, plastics, or glass. For applications that require transmitted polarizing illumination, such as optical mineralogy, we recommend purchasing the Dino-Lite BL-ZW1 backlight pad as an added accessory.



MicroTouch shutter button

Take picture-perfect photos quickly and conveniently with the MicroTouch shutter button. This small, round, touch-sensitive button responds to the lightest touch to avoid blurry photos caused by excessive movement of the microscope. The MicroTouch shutter button can also be configured to control video recording, trigger barcode scanning, or switch on/off the LED lights.



Adaptable cap design

This model features a detachable and interchangeable front cap that extends its range of use, as different caps are available for various applications. Removing the front cap provides greater working distance and access to the full magnification range.

Information about working distance and field of view

M	WD	FOV (x)	FOV (y)	DOF
10	234.5	39.0	31.2	12
20	112.5	19.5	15.6	4.5
30	72.5	13.0	10.4	3.1
40	54.5	9.8	7.8	1.8
50	43.5	7.8	6.2	1.2
60	37.5	6.5	5.2	0.9
70	33.7	5.6	4.5	0.6
80	31.3	4.9	3.9	0.5
90	29.9	4.3	3.5	0.37
100	29.2	3.9	3.1	0.28
110	29.1	3.5	2.8	0.22
120	29.3	3.3	2.6	0.17
130	29.8	3.0	2.4	0.12
140	30.5	2.8	2.2	0.09

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

Specification

Model : AM4115ZTL Dino-Lite Edge

Interface : USB 2.0

Product Resolution : 1.3M pixels (SXGA)

Magnification Rate : 10x~140x

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

DinoXcope: PNG, JPEG

+ Movie:

DinoCapture2.0: WMV, FLV, SWF

DinoXcope: 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 10.9 or later

Unit Weight : 100g

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

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

Interchangeable Front Caps



N3C-D / Diffuser Cap

This cap diffuses the LED light.



N3C-D2 / Opal Diffuser Cap
This cap diffuses the LED light.



N3C-E / Extended Open Cap
Dino-Lite Edge (stand type) will focus at approximately 200x when the cap touches surface.



N3C-L / Long Cap
This cap is useful to adjust the working focus of Dino-Lite Edge at lower magnification.



N3C-O / Open Cap
This is the standard cap for normal usage.



N3C-S / Sidelight Cap
This cap creates images with more depth and texture.



N3C-C / Close Cap
This cap protects the lens and LED lights from contamination of dust, debris, or moisture.

Gallery



Polarizer Use

