

## AM4115-FIT

The Dino-Lite AM4115-FIT handheld digital microscope features 850nm infrared LED lighting. The AM4115-FIT views and records images at 1.3 Megapixels which lets you view objects with great image quality. This model can magnify at various magnifications depending of distance with a maximum magnification of 200X.

It also has an amazing yet easy to use MicroTouch trigger (touch sensitive static sensor). The MicroTouch feature on the handheld digital microscope gives users the option of taking a picture right from the scope itself. The MicroTouch was designed to minimize image blur while taking a picture with the microscope. Great for those moments when you need to take a picture, but having a hard time reaching the computer.

Included with the Dino-Lite handheld digital microscope is a copy of the "DinoCapture" software, enabling you to "capture" either a photograph, video, or time-lapsed video within a few simple clicks. This model comes with the full version of DinoCapture software which includes measurement and measurement calibration for greater precision work. As for all DinoCapture software though, updates with improvements to the software is always free.

\*The AM4115-FIT handheld digital microscope features 940nm infrared LED lighting.

### Overview



#### High optical resolution

With the state-of-the-art lens design, the Dino-Lite Edges series delivers matchless image quality with stunning sharpness, least aberration, and least vignetting throughout the whole magnification range.



#### Convenient flexible magnification

The Dino-Lite is capable of variable magnification with a range of 20~220x depending of working distance by simply zooming in or out with just a rotating dial.



#### 850nm IR illumination

850nm Near Infrared lights to illuminate specimens.



#### 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.

## Polarizer

To many applications, it is inevitable to have reflection on the surface resulting from the built-in illumination. The freely adjustable polarizer helps to reveal more detail or to enhance the contrast on the surface by reducing or eliminating the reflections. For applications such as optical mineralogy requiring transmitted polarizing illumination, the Dino-Lite back-light pad (BL-ZW1) is optional to be used with all Dino-Lite polarizer models.

## Interchangeable Front Caps



### N3C-C / Close Cap

This cap protects the lens and LED lights from contamination of dust, debris, or moisture.



### 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.

# Information about working distance and field of view

M	WD	FOV (x)	FOV (y)	DOF
20	60.2	19.5	15.6	2.5
30	33.5	13	10.4	1.8
40	20.9	9.8	7.8	1.5
50	13.9	7.8	6.3	
60	9.7	6.5	5.2	
70	7.1	5.6	4.5	1.0
80	5.5	4.9	3.9	
90	4.5	4.3	3.5	
100	4.1	3.9	3.1	
110	4	3.6	2.8	
120	4.1	3.3	2.6	
130	4.5	3	2.4	
140	5	2.8	2.2	
150	5.6	2.6	2.1	
160	6.3	2.4	2	
170	7.1	2.3	1.8	
180	8	2.2	1.7	
190	8.9	2.1	1.6	
200	9.9	2	1.6	
210	10.9	1.9	1.5	
220	11.9	1.8	1.4	0.1

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

## Specification

Model : AM4115-FIT Dino-Lite Edge

Interface : USB 2.0

Product Resolution : 1.3M pixels (SXGA)

Magnification Rate : 20x~220x

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

Measurement Function : Yes

Calibration Function : Yes

Operating System Supported : Windows 10, 8, 7, Vista, XP;

Mac OS 10.4 or later

Unit Weight : 100g

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

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

Gallery



LED



LED