

# AM4115T-JV



The AM4115T-JV Dino-Lite Edge handheld microscope camera features both near infrared IR (940nm) and fluorescent ultra-violet (395nm) LED lighting in a single device now with the Edge Series sensor. Multiple lighting options provide the ability to view magnified objects under normal external lighting sources such as white light or under near IR, near fluorescent ultraviolet lighting by simply switching from one to the other. The IR can be used in document examination and newly enhanced UV system provides improved fluorescence contrasting for use in forensics, biomedical or machine vision applications. The ability to switch infrared (IR) to fluorescent UV as well as on/off provides the user flexibility and versatility.

## Highlights



**20x - 220x**

Optical magnification power



**1280 × 1024 pixels**

Capture in full detail with resolution up to 1280 × 1024 pixels



**USB 2.0**

Simple setup



**Windows and Mac**

Compatible with Windows 7, 8, 10 & Mac OS 10.5+ including 32-bit and 64-bit systems.



**Annotate & Measure**

Use simple tools to draw lines, shapes, and text on the image. Calibrate and measure lines, circles, angles & more.



**Two-year warranty & free tech support**

All Dino-Lite microscopes feature a two-year warranty and include free U.S. based tech support for the life of the product.



**Language options**

Software interface defaults to English and can be changed to any of 25 additional translations.



**Barcode reader**

Software feature to use camera for reading from QR codes and over 20 other types of barcodes.

# Specifications

LEDs	Infrared (4), Ultraviolet (4)
Polarization	No
LED Spectrum	395nm/940nm
Dimensions	10.5cm (L) x 3.2cm (D) (4.13" x 1.26")
Weight	100g (3.5 oz)
Cable Length	182cm (71.65 in)
Magnification Range	20x - 220x
Working Distance	Standard
Lens Type	Glass
Megapixels	1.3 MP
Sensor Type	CMOS
Resolution	1280 × 1024 pixels
Frame Rate (max)	30 FPS
Image Save Formats (Windows)	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX
Image Save Formats (Mac OS)	JPEG, PNG
Video Save Formats (Windows)	WMV, FLV, SWF
Video Save Formats (Mac OS)	MOV
Connection Type	USB 2.0
Included Software	DinoCapture 2.0 (Windows), DinoXcope (Mac OS)
Imaging Standards	DirectShow, UVC
Flexible LED Control	No
Measurement	Yes
Automatic Magnification Reading	No
Extended Depth of Field	No
Enhanced Dynamic Range	No
Magnification Lock	Yes
Body Material	ABS Plastic
Microtouch Sensor	Yes
Package Includes	Microscope, Software CD, Edge Calibration Target
Warranty Period	2 years
Manufactured in	Taiwan
Service & Support	U.S. ( <a href="http://www.dinolite.us">www.dinolite.us</a> ) English & Spanish
Regulatory Approval	CE, FCC

# Charts

## Working distance & field of view mm

Magnification	20	30	40	50	100	150	200	220
Working Distance	60.2	33.5	20.9	13.9	4.1	5.6	9.9	11.9
Field of View	19.5 x 15.6	13 x 10.4	9.8 x 7.8	7.8 x 6.3	3.9 x 3.1	2.6 x 2.1	2 x 1.6	1.8 x 1.4
Depth of Field	2.5	1.8	1.5					0.1

## Working distance & field of view inch

Magnification	20	30	40	50	100	150	200	220
Working Distance	2.370	1.319	0.823	0.547	0.161	0.220	0.390	0.469
Field of View	0.768 x 0.614	0.512 x 0.409	0.386 x 0.307	0.307 x 0.248	0.154 x 0.122	0.102 x 0.083	0.079 x 0.063	0.071 x 0.055
Depth of Field	0.098	0.071	0.059					0.004

## In the box



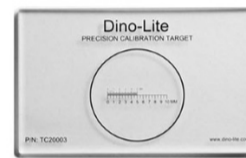
### Microscope & cables

All necessary cables are included. USB models are powered by the USB connection, analog (direct to monitor) models include a power adaptor cable.



### Software & drivers CD

A CD containing all necessary software and drivers to use the device. For computers without a CD drive, the software can be downloaded from the Dino-Lite website.



### Calibration target

A target to be used for calibrating measurements.