

# AM4117MZTL EDGE *PLUS*

**Brand:** Dino-Lite  
**Product Code:** AM4117MZTL EDGE PLUS



## Short Description

1.3 Megapixel EDGE *PLUS* sensor  
USB 2.0, maximum 30fps  
10-140x Magnification  
Long working distance  
Polarizer  
Flexible LED Control (FLC)  
Robust metal housing

## Description

The Dino-Lite AM4117MZTL is part of the EDGE *PLUS* series, a special category within the Long Working Distance (LWD) range. It offers a magnification range of 10-140x with 1.3MP and a USB 2.0 connection at 30fps. It offers superb image quality and clarity and color reproduction in a robust, compact and appealing metal housing.



1.3 megapixel  
1280 x 1024



USB 2.0



Continuous  
~10x - 140x



Measurement  
functionality



Polarizer  
anti-reflection



Metal  
housing



Flexible LED  
Control FLC



Long working  
distance



Magnification  
lock



Exchangeable  
cap

## The main features of the AM4117MZTL are:

- 1.3 Megapixel EDGE <sup>PLUS</sup> sensor
- Flexible LED Control (FLC)
- 10-140x magnification
- Long working distance
- Adjustable polarizer
- 30fps
- Metal housing
- And more...

## Working distance/field of view/depth of field

MAGNIFICATION RATE	WORKING DISTANCE*	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
10	237.6	39.1	29	24.61
20	115.0	19.5	14.7	6.68
30	75.4	13.0	9.8	3.21
40	56.7	9.8	7.3	1.94
50	46.4	7.8	5.9	1.33
60	40.1	6.5	4.9	0.98
70	36.3	5.6	4.2	0.76
80	34.0	4.9	3.7	0.62
90	32.6	4.3	3.3	0.51
100	31.9	3.9	2.9	0.44
110	31.7	3.6	2.7	0.38
120	31.9	3.3	2.4	0.33
130	32.4	3.0	2.3	0.3
140	33.2	2.8	2.1	0.27
Listed values may differ	*Without front cap			Unit = mm

**slightly**

## Specification

Lighting	
Light/ LED type	White
Number of LEDs	8
LED on/off switchable:	Yes
Infrared filter	IR cut-filter >650 nm
Diffuser available	Yes (N3C-D included)
Emission filter	No
Polarizer	Yes, linear
Optics	
Magnification	10-140x
Macro zoom	No
Working distance	Long
Lens type	Glass with anti-reflection coating
Sensor	
Sensor type	CMOS
Resolution	1.3 Megapixel (1280x1024)
Maximum frame rate	30 fps
Compatibility	
Interface	USB 2.0
Operating system	Windows 7, 8, 10 & 11, MacOS 11.1 and up
Included software	DinoCapture 2.0 (Windows), DinoXcope (Mac OS)
Supported image formats (Windows)	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX
Supported video formats (Windows)	WMV, FLV, SWF (max 1.3MP)
Supported image formats (MacOS)	JPEG, PNG
Supported video formats (MacOS)	MOV
Imaging standards	DirectShow, UVC
Wifi	Wireless-ready, requires the WF-10 WiFi streamer (optional)
Housing	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	10.5cm (L) x 3.2cm (D)
Weight	130g
Cable length	1.5m

Features	
Special feature	Flexible LED Control (FLC)
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
ESD safe	Yes
Information	
Package contents	Microscope, carry pouch, software CD, calibration target, user manual, N3C-O- Open cap, N3C-C- Closed cap, N3C-D- diffuser cap, N3C-E- Extension cap, N3C-L- Long cap, N3C-S- Side light cap
Warranty information	2 years European warranty
Regulatory approval	CE, FCC, ROHS
Price range	€900,00 - €1100,00