

# AM4117MZTL



**Brand:**  
**Product Code:** AM4117MZTL EDGE PLUS

## Short Description

1.3 Megapixel  
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



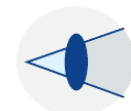
USB 2.0



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...

**Optical Data Table**

<b>MAGNIFICATION RATE</b>	<b>WORKING DISTANCE*</b>	<b>FIELD OF VIEW(X)</b>	<b>FIELD OF VIEW(Y)</b>	<b>DEPTH OF FIELD</b>
<b>10</b>	237.6	39.1	29	24.61
<b>20</b>	115.0	19.5	14.7	6.68
<b>30</b>	75.4	13.0	9.8	3.21
<b>40</b>	56.7	9.8	7.3	1.94
<b>50</b>	46.4	7.8	5.9	1.33
<b>60</b>	40.1	6.5	4.9	0.98
<b>70</b>	36.3	5.6	4.2	0.76
<b>80</b>	34.0	4.9	3.7	0.62
<b>90</b>	32.6	4.3	3.3	0.51
<b>100</b>	31.9	3.9	2.9	0.44
<b>110</b>	31.7	3.6	2.7	0.38
<b>120</b>	31.9	3.3	2.4	0.33
<b>130</b>	32.4	3.0	2.3	0.3
<b>140</b>	33.2	2.8	2.1	0.27

Listed values may differ slightly

\*Without front cap

Unit = mm

## 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 (1280x960)
Maximum frame rate	30 fps
Compatibility	
Interface	USB 2.0
Operating system	Windows 7, 8, 10 & 11, MacOS 11.1 and up
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
<b>Information</b>	
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