

# AM4917MZTL



**Brand:**  
**Product Code:** AM4917MZTL EDGE PLUS

## Short Description

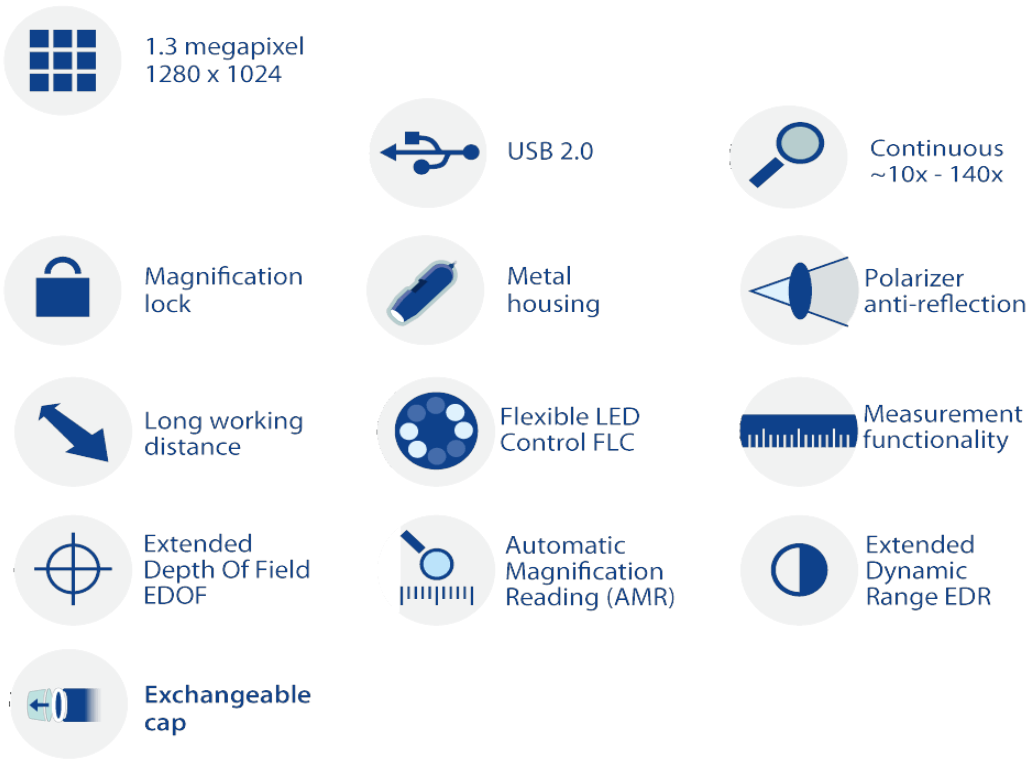
- 1.3 Megapixel
- 10-140x magnification
- Long working distance
- Polarizer
- Flexible LED Control (FLC)
- Automatic Magnification Reading (AMR)
- EDOF/EDR & Depth information
- Robust metal housing

## Description

The Dino-Lite AM4917MZTL is part of the EDGE<sup>PLUS</sup> 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, clarity and color reproduction in a robust, compact and appealing metal housing.

A unique feature within the EDGE<sup>PLUS</sup> series for the AM4917MZTL model is the possibility to acquire Depth Information. By indicating the variations in focus shifts, you can obtain depth information of grooves, holes, and other types of topographical variations. Please [click here](#) for the manual on "how to acquire depth information with the AM4917-models".

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EDOF allows users to automatically capture multiple images at different depths and automatically combine them into one clear image. EDR automatically captures and combines multiple images at different exposure levels to produce a final image with greater dynamic range. The AMR function automatically detects and displays the magnification of the Dino-Lite. The magnification is displayed within the Dino-Lite software and stored with the captured picture and simplifies the measuring process. Because of the built-in polarization filter this model is ideal when working with shiny or reflective objects such as metal, plastic, glass, jewelry, electronics, etc.

**The main features of the AM4917MZTL are:**

- 1.3 Megapixel EDGE<sup>PLUS</sup> sensor
- Depth acquisition
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Automatic Magnification Reading (AMR)
- Flexible LED Control (FLC)
- 10-140x Magnification
- Long working distance
- Adjustable polarizer
- And more...

*(\*EDOF/EDR/Depth acquisition only functions under Windows OS)*

## 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
Light/ LED type	Wireless-ready, requires the WF-10 WiFi streamer (optional)
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	10x ~ 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
Software	DinoCapture 2.0 (Windows), DinoXscope (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
<b>Housing</b>	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	10.5cm (L) x 3.3cm (D)
Weight	130g
Cable length	1.5m
<b>Features</b>	
Special feature	Flexible LED Control (FLC), Automatic Magnification Reading (AMR), EDOF/EDR & Depth information
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
ESD safe	Yes
<b>Information</b>	
Package contents	Microscope, carry pouch, software CD, user manual, quick guide, calibration target, front cover box with 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	€1100,00 - €1300,00

## Product Gallery

