

# AM4917MZT



**Brand:**  
**Product Code:** AM4917MZT EDGE PLUS

## Short Description

1.3 Megapixel  
10-220x Magnification  
Polarizer  
Flexible LED Control (FLC)  
Automatic Magnification Reading (AMR)  
EDOF/EDR & Depth information  
Robust metal housing

## Description

The Dino-Lite AM4917MZT is part of the EDGE <sup>PLUS</sup> series, a special category within the Universal range. It offers a magnification range of 10-220x 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.

A unique feature within the EDGE <sup>PLUS</sup> series for the AM4917MZT 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 AM4917MZT are:

- Automatic Magnification Reading (AMR)
- 1.3 Megapixel EDGE *PLUS* sensor
- Flexible LED Control (FLC)
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- 10-220x Magnification
- Adjustable polarizer
- 30fps
- Metal housing
- And more...

\*EDOF/EDR only functions under Windows OS

**Working distance/field of view/depth of field**

<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>20</b>	59.5	19.5	14.7	5.36
<b>30</b>	32.9	13.0	9.8	2.58
<b>40</b>	20.2	9.8	7.3	1.56
<b>50</b>	13.2	7.8	5.9	1.07
<b>60</b>	9	6.5	4.9	0.79
<b>70</b>	6.4	5.6	4.2	0.62
<b>80</b>	4.8	4.9	3.7	0.5
<b>90</b>	4	4.3	3.3	0.42
<b>100</b>	3.5	3.9	2.9	0.36
<b>110</b>	3.3	3.6	2.7	0.31
<b>120</b>	3.5	3.3	2.4	0.27
<b>130</b>	3.8	3.0	2.3	0.24
<b>140</b>	4.3	2.8	2.1	0.22
<b>150</b>	4.9	2.6	2.0	0.2
<b>160</b>	5.6	2.4	1.8	0.18
<b>170</b>	6.4	2.3	1.7	0.17
<b>180</b>	7.3	2.2	1.6	0.15
<b>190</b>	8.2	2.1	1.5	0.14
<b>200</b>	9.2	2.0	1.5	0.13
<b>210</b>	10.2	1.9	1.4	0.13
<b>220</b>	11.3	1.8	1.3	0.12

**Listed values may differ slightly**      **\*Without front cap**      **Unit = mm**

**Specification**

<b>Lighting</b>	
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
<b>Optics</b>	

Magnification	10x ~ 220x
Macro zoom	No
Working distance	Standard
Lens type	Glass with anti-reflection coating
<b>Sensor</b>	
Sensor type	CMOS
Resolution	1.3 Megapixel (1280x1024)
Maximum frame rate	30 fps
<b>Compatibility</b>	
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)
<b>Housing</b>	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	10.5cm (L) x 3.2cm (D)
Weight	130g
Cable length	1.5m
<b>Features</b>	
Special feature	Automatic Magnification Reading (AMR), Extended Dynamic Range (EDR), Extended Depth of Field (EDOF), 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	€1100,00 - €1300,00

## Product Gallery

