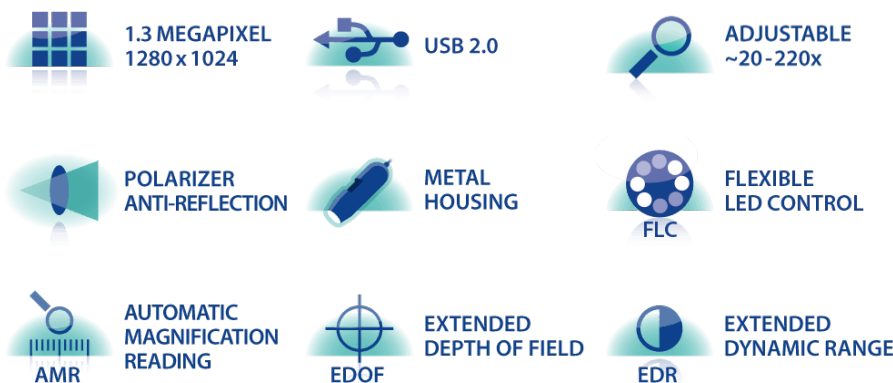


# AM4917MZT Edge plus



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 20-220x 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 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".

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:

- 1.3 Megapixel Edge<sup>PLUS</sup> sensor
- Depth acquisition
- Automatic Magnification Reading (AMR)
- Flexible LED Control (FLC)
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- 20-220x Magnification
- Adjustable polarizer
- And more...

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

## Additional Info

- Dino-Lite Range: Dino-Lite Universal EdgePLUS
- Resolution: 1.3 Megapixel (1280x1024)
- Magnification: Standard (20x - 220x)
- Interface: USB 2.0
- Working Distance: Standard
- Price Range (excl. VAT): €900 - €1000
- Light/ LED type: White
- ESD Safe: Yes
- Polarizer: Yes
- Housing: Metal housing
- Special feature: Aut. Magn. reading, Ext. Dynamic Range (EDR), Ext. Depth of Field (EDOF), Flexible LED Control (FLC)
- Dino-Lite Range: Dino-Lite Universal EdgePLUS
- 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
- Magnification: 20-220x
- Macro zoom: No
- Working Distance: Standard
- Resolution: 1.3 Megapixel (1280x1024)
- Maximum Frame rate: 30 fps
- Interface: USB 2.0
- Housing material: Metal housing
- Magnification lock: Yes
- Measurement: Yes
- Calibration: Yes
- Microtouch sensor: Yes
- ESD Safe: Yes

- Special feature: Aut. Magn. reading, Ext. Dynamic Range (EDR), Ext. Depth of Field (EDOF), Flexible LED Control (FLC)
- Package contents: Microscope, Carry pouch, Software CD, User manual, Quick guide, Calibration target, Front cover box
- Price Range: €900 - €1000

- **Details**

- Dino-Lite range: Dino-Lite Universal EdgePLUS

- **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: 20-220x
- Macro zoom: No
- Working distance: Standard
- 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, MacOS 11.6 and up
- Included software: DinoCapture 2.0 (Windows), DinoXcope (Mac OS)
- WiFi: no
- 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

- **Housing**

- Housing material: Metal housing
- Magnification lock: Yes

- Dimensions: 10.5cm (L) x 3.3cm (D)
- Weight: 130g
- Cable length: 1.5m

#### • Features

- Special feature: Aut. Magn. reading, Ext. Dynamic Range (EDR), Ext. Depth of Field (EDOF), 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 - €1000
- Working distance/ field of view/ depth of field:

Magnification Rate	Working Distance*	Field of View(x)	Field of View(y)	Depth of Field
20	59.5	19.5	14.7	5.36
30	32.9	13.0	9.8	2.58
40	20.2	9.8	7.3	1.56
50	13.2	7.8	5.9	1.07
60	9.	6.5	4.9	0.79
70	6.4	5.6	4.2	0.62
80	4.8	4.9	3.7	0.5
90	4	4.3	3.3	0.42
100	3.5	3.9	2.9	0.36
110	3.3	3.6	2.7	0.31
120	3.5	3.3	2.4	0.27
130	3.8	3.0	2.3	0.24
140	4.3	3.8	2.1	0.22
150	4.9	2.6	2.0	0.2
160	5.6	2.4	1.8	0.18
170	6.4	2.3	1.7	0.17
180	7.3	2.2	1.6	0.15
Listed values may differ slightly	*Without front cap			Unit = mm

<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>
190	8.2	2.1	1.5	0.14
200	9.2	2.0	1.5	0.13
210	10.2	1.9	1.4	0.13
220	11.3	1.8	1.3	0.12
<b>Listed values may differ slightly</b>	<b>*Without front cap</b>			<b>Unit = mm</b>

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