

# AM4917MZTL



**Merk:**

**Productcode:** AM4917MZTL EDGE PLUS

## **Korte omschrijving**

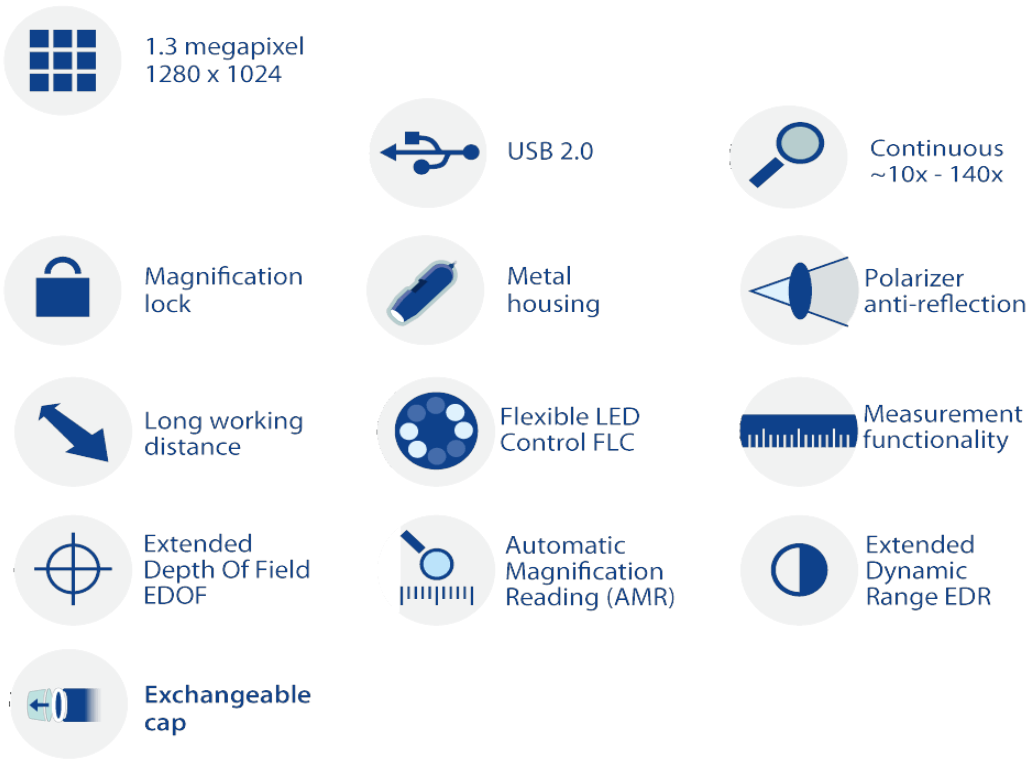
- 1.3 Megapixel
- 10-140x magnification
- Long working distance
- Polarizer
- Flexible LED Control (FLC)
- Automatic Magnification Reading (AMR)
- EDOF/EDR & Depth information
- Robust metal housing

## **Omschrijving**

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**

## Specificatie

Verlichting	
Licht / LED-type	White
Licht / LED-type	Wireless-ready, requires the WF-10 WiFi streamer (optional)
Aantal leds	8
LED aan / uit schakelbaar:	Yes
Infrarood filter	IR cut-filter >650 nm
Diffusor beschikbaar	Yes (N3C-D included)
Emissiefilter	No
Polarisator	Yes, linear
Optiek	
Magnification	10x ~ 140x
Macro zoom	No
Werkafstand	Long
Type lens	Glass with anti-reflection coating
Sensor	
Sensortype	CMOS
Resolutie	1.3 Megapixel (1280x1024)
Maximale framesnelheid	30 fps
Compatibiliteit	

Interface	USB 2.0
Besturingssysteem	Windows 7, 8, 10 & 11, MacOS 11.1 and up
Software	DinoCapture 2.0 (Windows), DinoXscope (Mac OS)
Ondersteunde beeldformaten (Windows)	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX
Ondersteunde videoformaten (Windows)	WMV, FLV, SWF (max 1.3MP)
Ondersteunde beeldformaten (MacOS)	JPEG, PNG
Ondersteunde videoformaten (MacOS)	MOV
Beeldvormingsnormen	DirectShow, UVC
<b>Behuizing</b>	
Materiaal van de behuizing	Metal housing
Vergrotingslot	Yes
Afmetingen	10.5cm (L) x 3.3cm (D)
Gewicht	130g
Kabellengte	1.5m
<b>Kenmerken</b>	
Bijzonderheid	Flexible LED Control (FLC), Automatic Magnification Reading (AMR), EDOF/EDR & Depth information
Meting	Yes
Kalibratie	Yes
Microtouch-sensor	Yes
ESD veilig	Yes
<b>Informatie</b>	
Inhoud van de verpakking	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
Garantie-informatie	2 years European warranty
Regelgevende goedkeuring	CE, FCC, ROHS
Prijsklasse	€1100,00 - €1300,00

## Product galerij

