

AM4917MZTL



Zna?ka:

Kód produktu: AM4917MZTL EDGE PLUS

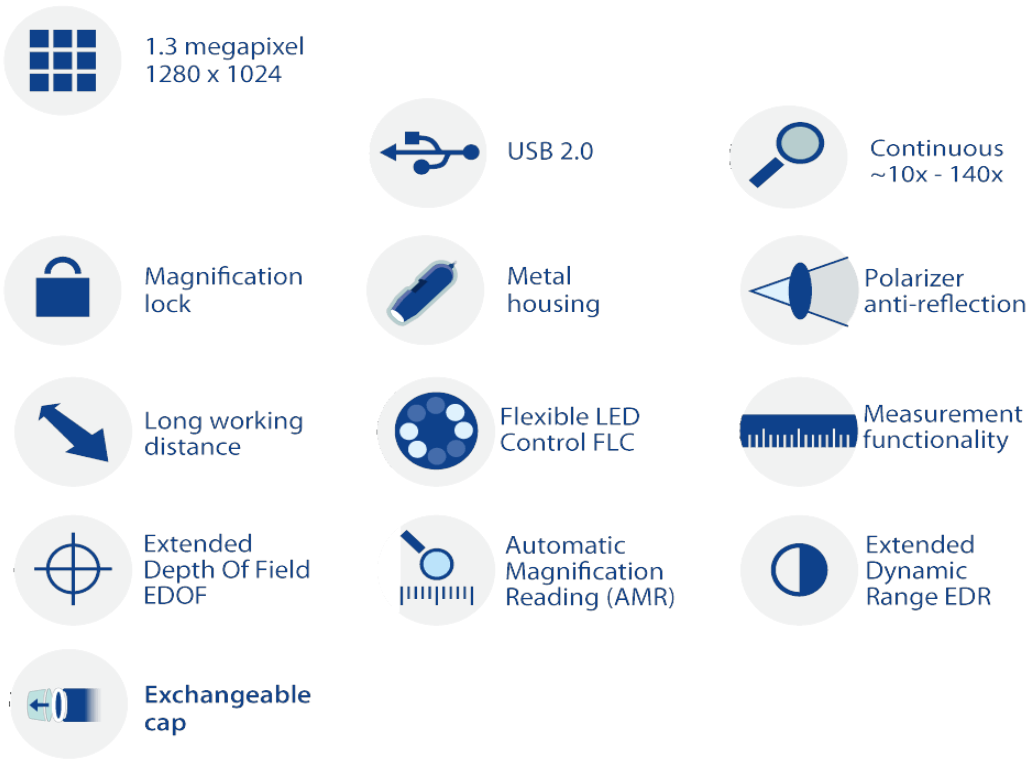
Short Description

- 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

Popis

The Dino-Lite AM4917MZTL 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, clarity and color reproduction in a robust, compact and appealing metal housing.

A unique feature within the EDGE^{PLUS} 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".



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^{PLUS} 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

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

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

Specifikace

| 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 |
| 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 | Flexible LED Control (FLC), Automatic Magnification Reading (AMR), EDOF/EDR & Depth information |
| Measurement | Yes |
| Calibration | Yes |
| Microtouch sensor | Yes |
| ESD safe | Yes |
| Information | |
| 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

