

AM4917MZT



Brand: Dino-Lite
Product Code: AM4917MZT EDGE PLUS

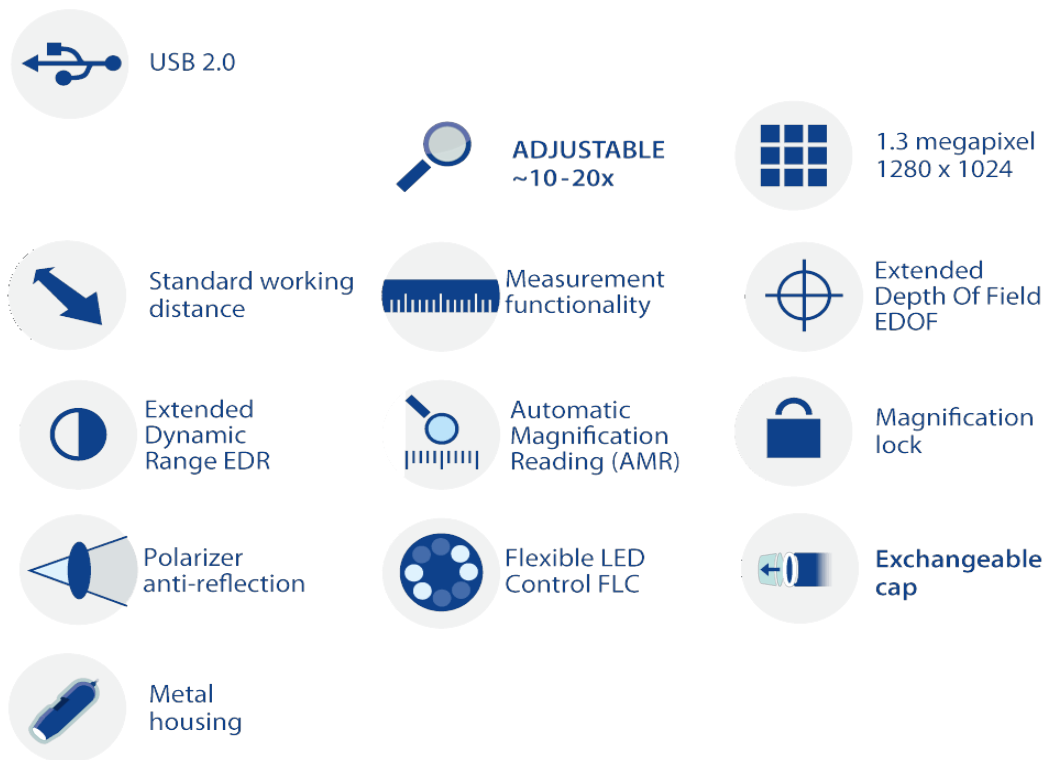
Short Description

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 ^{PLUS} 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 ^{PLUS} 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:

- 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

| 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 | 2.8 | 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 |
| 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 |

Listed values may differ slightly

*Without front cap

Unit = mm

Specification

| 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 | 10-220x |
| 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 & 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) |
| Housing | |
| Housing material | Metal housing |
| Magnification lock | Yes |
| Dimensions | 10.5cm (L) x 3.2cm (D) |
| Weight | 130g |
| Cable length | 1.5m |
| Features | |
| 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 |
| 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 | €1100,00 - €1300,00 |

Product Gallery

