

# AM4117MZT



**Brand:**

**Product Code:** AM4117MZT EDGE PLUS

## Short Description

1.3 Megapixel

10-220x Magnification

Polarizer

Flexible LED Control (FLC)

Robust metal housing

## Description

The Dino-Lite AM4117MZT 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 and clarity and color reproduction in a robust, compact and appealing metal housing.



1.3 megapixel  
1280 x 1024



USB 2.0



ADJUSTABLE  
~10-20x



Measurement  
functionality



Polarizer  
anti-reflection



Metal  
housing



Standard working distance



Magnification lock

## The main features of the AM4117MZT are:

- 1.3 Megapixel EDGE <sup>PLUS</sup> sensor
- Flexible LED Control (FLC)
- 10-220x Magnification
- Adjustable polarizer
- 30fps
- Metal housing
- And more...

## 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**

|                                   |                                                                       |
|-----------------------------------|-----------------------------------------------------------------------|
| <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 10.11.6 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 3.3cm (D)                                                |

|                      |                                                                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight               | 90g                                                                                                                                                                                          |
| Cable length         | 1.5m                                                                                                                                                                                         |
| Features             |                                                                                                                                                                                              |
| Special feature      | 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          | €900,00 - €1100,00                                                                                                                                                                           |

## Product Gallery

