

# AM4517MZT



**Marke:**

**Artikelnummer:** AM4517MZT EDGE PLUS

## Short Description

1.3 Megapixel

10-220x magnification

Polarizer

Flexible LED Control (FLC)

Automatic Magnification Reading (AMR)

Robust metal housing

## Beschreibung

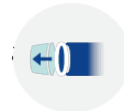
The Dino-Lite AM4517MZT is part of the EDGE <sup>PLUS</sup> series, a special category within the Universal range. It offers a magnification range of 10-220x with 1.3MP and a USB 2.0 connection at 30fps. It offers superb image quality and clarity and color reproduction in a robust, compact and appealing metal housing.



**ADJUSTABLE**  
~10 - 220x



USB 2.0



**Exchangeable**  
cap



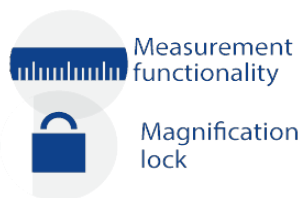
**Polarizer**  
anti-reflection



**Metal**  
housing



**Flexible LED**  
Control FLC



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 AM4517MZT are:

- 1.3 Megapixel EDGE <sup>PLUS</sup> sensor
- Automatic Magnification Reading (AMR)
- 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           |

|                                          |                           |     |     |                  |
|------------------------------------------|---------------------------|-----|-----|------------------|
| <b>140</b>                               | 4.3                       | 2.8 | 2.1 | 0.22             |
| <b>150</b>                               | 4.9                       | 2.6 | 2.0 | 0.2              |
| <b>160</b>                               | 5.6                       | 2.4 | 1.8 | 0.18             |
| <b>170</b>                               | 6.4                       | 2.3 | 1.7 | 0.17             |
| <b>180</b>                               | 7.3                       | 2.2 | 1.6 | 0.15             |
| <b>190</b>                               | 8.2                       | 2.1 | 1.5 | 0.14             |
| <b>200</b>                               | 9.2                       | 2.0 | 1.5 | 0.13             |
| <b>210</b>                               | 10.2                      | 1.9 | 1.4 | 0.13             |
| <b>220</b>                               | 11.3                      | 1.8 | 1.3 | 0.12             |
| <b>Listed values may differ slightly</b> | <b>*Without front cap</b> |     |     | <b>Unit = mm</b> |

## Spezifikation

| 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                     | 10x ~ 220x                                                            |
| Macro zoom                        | No                                                                    |
| Working distance                  | Standard                                                              |
| Lens type                         | Glass with anti-reflection coating                                    |
| Sensor                            |                                                                       |
| Sensor type                       | CMOS                                                                  |
| Resolution                        | 1.3 Megapixel (1280x960)                                              |
| 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)                                                                                                                                                                    |
| <b>Housing</b>                  |                                                                                                                                                                                                                                |
| Housing material                | Metal housing                                                                                                                                                                                                                  |
| Magnification lock              | Yes                                                                                                                                                                                                                            |
| Dimensions                      | 10.5cm (L) x 3.3cm (D)                                                                                                                                                                                                         |
| Weight                          | 90g                                                                                                                                                                                                                            |
| Cable length                    | 1.5m                                                                                                                                                                                                                           |
| <b>Features</b>                 |                                                                                                                                                                                                                                |
| Special feature                 | Flexible LED Control (FLC) & Automatic Magnification Reading (AMR)                                                                                                                                                             |
| Measurement                     | Yes                                                                                                                                                                                                                            |
| Calibration                     | Yes                                                                                                                                                                                                                            |
| Microtouch sensor               | Yes                                                                                                                                                                                                                            |
| ESD safe                        | Yes                                                                                                                                                                                                                            |
| <b>Information</b>              |                                                                                                                                                                                                                                |
| 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                     | €900,00 - €1100,00                                                                                                                                                                                                             |

## Product Gallery

