

# AM4517MZTL



**Zna?ka:**

**Kód produktu:** AM4517MZTL EDGE PLUS

## Short Description

1.3 Megapixel  
10-140x Magnification  
Long working distance  
Polarizer  
Flexible LED Control (FLC)  
Automatic Magnification Reading (AMR)  
Robust metal housing

## Popis

The Dino-Lite AM4517MZTL 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.



1.3 megapixel  
1280 x 1024



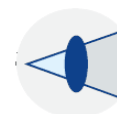
USB 2.0



Continuous  
~10x - 140x



Exchangeable  
cap



Polarizer  
anti-reflection



Metal  
housing



Flexible LED Control FLC



Measurement functionality



Automatic Magnification Reading (AMR)



Long working distance



Magnification lock

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 AM4517MZTL are:**

- 1.3 Megapixel EDGE<sup>PLUS</sup> sensor
- Automatic Magnification Reading (AMR)
- Flexible LED Control (FLC)
- 10-140x magnification
- Long working distance
- Adjustable polarizer
- 30fps
- Metal housing
- And more...

**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             |
| <b>Listed values may differ slightly</b> | <b>*Without front cap</b> |     |     | <b>Unit = mm</b> |

## Specifikace

| 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 ~ 140x  |
| Macro zoom                        | No  |
| Working distance                  | Long  |
| Lens type                         | Glass with anti-reflection coating                                    |
| Sensor                            |   |
| Sensor type                       | CMOS  |
| Resolution                        | 1.3 Megapixel (1280 x 960)  |
| 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 3.3cm (D)   |
| Weight               | 130g   |
| Cable length         | 1.5m   |
| Features             |  |
| Special feature      | Flexible LED Control (FLC) & Automatic Magnification Reading (AMR)   |
| 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          | €900,00 - €1100,00   |

## Product Gallery



