

# AM4517MZTL



**Marca:**

**Codice del prodotto:** 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

## Descrizione

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



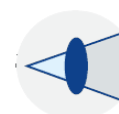
USB 2.0



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

| 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           |

|                                          |                           |     |     |                  |
|------------------------------------------|---------------------------|-----|-----|------------------|
| <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> |

## Specifiche

| 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



