

# AM4815ZTL - EDGE

**Brand:**  
**Product Code:** AM4815ZTL



## Short Description

1.3 Megapixel Edge sensor  
Long working distance  
10-140x magnification  
Polarizer (anti-reflection)  
EDR & EDOF

## Description

The Dino-Lite Edge models provide superior image quality and a high level of flexibility due to the adaptable cap design. The built-in adjustable polarizer reduces glare and reflection on shiny objects.



USB 2.0



Long working distance



Continuous  
~10x - 140x



Magnification lock



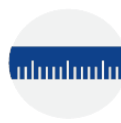
Extended Dynamic Range EDR



Extended Depth Of Field EDOF



1.3 megapixel  
1280 x 1024



Measurement functionality



8 White LEDs switchable



With the Extended Dynamic Range (EDR) feature, the details of darker or brighter areas within the object can be revealed by stacking images at different exposure levels. The Extended Depth of Field (EDOF) feature automatically stacks images at different focus level to improve the depth of field on rough or uneven surfaces. Different caps are supplied with the microscope making the Dino-Lite Edge the perfect choice for any professional application. Together with the long working distance of up to 23 centimetres the AM4815ZTL is the ideal choice in situations, where real time images are vital, such as working on PCB's or other miniature objects.

*(\*At the moment EDR/EDOF 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   |
|--|----------------------------|------------------|------------------|------------------|
| <b>Listed values may differ slightly</b> | <b>* Without front cap</b> |                  |                  | <b>Unit = mm</b> |
| 10                                       | 234.5                      | 39.0             | 31.2             | 12               |
| 20                                       | 112.5                      | 19.5             | 15.6             | 4.5              |
| 30                                       | 72.5                       | 13.0             | 10.4             | 3.1              |
| 40                                       | 54.5                       | 9.8              | 7.8              | 1.8              |
| 50                                       | 43.5                       | 7.8              | 6.2              | 1.2              |
| 60                                       | 37.5                       | 6.5              | 5.2              | 0.9              |
| 70                                       | 33.7                       | 5.6              | 4.5              | 0.6              |
| 80                                       | 31.3                       | 4.9              | 3.9              | 0.5              |
| 90                                       | 29.9                       | 4.3              | 3.5              | 0.37             |
| 100                                      | 29.2                       | 3.9              | 3.1              | 0.28             |
| 110                                      | 29.1                       | 3.5              | 2.8              | 0.22             |
| 120                                      | 29.3                       | 3.3              | 2.6              | 0.17             |
| 130                                      | 29.8                       | 3.0              | 2.4              | 0.12             |
| 140                                      | 30.5                       | 2.8              | 2.2              | 0.09             |

**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   |
| <b>Optics</b>                     |   |
| Magnification                     | 10x ~ 140x  |
| Macro zoom                        | No  |
| Working distance                  | Long  |
| 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 10.9 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   |
| Imaging standards                 | DirectShow, UVC   |
| Wifi                              | Wireless-ready, requires the WF-10 WiFi streamer (optional)           |
| <b>Housing</b>                    |   |
| Housing material                  | Composite/ plastic housing  |
| Magnification lock                | Yes   |
| Dimensions                        | 10.5cm (L) x 3.2cm (D)  |
| Weight                            | 105g  |
| Cable length                      | 1.8m  |
| <b>Features</b>                   |   |
| Special feature                   | Extended Dynamic Range (EDR), Extended Depth of Field (EDOF)          |
| Measurement                       | Yes   |
| Calibration                       | Yes   |
| Microtouch sensor                 | Yes   |
| ESD safe                          | No  |
| <b>Information</b>                |   |

|                      |  |
|----------------------|--|
| 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          | €800,00 - €1000,00   |