

# AM4815ZT

**Marke:**

**Artikelnummer:** AM4815ZT



## Short Description

1.3 Megapixel EDGE sensor

Versatility due to exchangeable caps

20-220x magnification

Polarizer (anti-reflection)

Ext. Dynamic Range (EDR)

Ext. Depth of Field (EDOF)

## Beschreibung

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



Measurement  
functionality



Adjustable  
~20x - 220x



Magnification  
lock



Extended  
Dynamic  
Range EDR



Extended  
Depth Of Field  
EDOF



1.3 megapixel  
1280 x 1024

Exchangeable  
cap



8 White LEDs  
switchable



Polarizer  
anti-reflection

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.

(\*At the moment EDR/EDOF only functions under Windows OS)

» Also available: AM4815T - Edge without Polarizer

### Working distance/field of view/depth of field

| MAGNIFICATION RATE                       | WORKING DISTANCE 1 | WORKING DISTANCE 2*        | 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> |
| 20                                       | 52.7               | 60.2                       | 19.5             | 15.6             | 2.5              |
| 30                                       | 26.0               | 33.5                       | 13.0             | 10.4             | 1.8              |
| 40                                       | 13.4               | 20.9                       | 9.8              | 7.8              | 1.5              |
| 50                                       | 6.4                | 13.9                       | 7.8              | 6.3              | -                |
| 60                                       | 2.2                | 9.7                        | 6.5              | 5.2              | -                |
| 70                                       | -                  | 7.1                        | 5.6              | 4.5              | 1.0              |
| 80                                       | -                  | 5.5                        | 4.9              | 3.9              | -                |
| 90                                       | -                  | 4.5                        | 4.3              | 3.5              | -                |
| 100                                      | -                  | 4.1                        | 3.9              | 3.1              | -                |
| 110                                      | -                  | 4.0                        | 3.6              | 2.8              | -                |
| 120                                      | -                  | 4.1                        | 3.3              | 2.6              | -                |
| 130                                      | -                  | 4.5                        | 3.0              | 2.4              | -                |
| 140                                      | -                  | 5.0                        | 2.8              | 2.2              | -                |

|     |     |      |     |     |     |
|-----|-----|------|-----|-----|-----|
| 150 | -   | 5.6  | 2.6 | 2.1 | -   |
| 160 | -   | 6.3  | 2.4 | 2.0 | -   |
| 170 | -   | 7.1  | 2.3 | 1.8 | -   |
| 180 | 0.5 | 8.0  | 2.2 | 1.7 | -   |
| 190 | 1.4 | 8.9  | 2.1 | 1.6 | -   |
| 200 | 2.4 | 9.9  | 2.0 | 1.6 | -   |
| 210 | 3.4 | 10.9 | 1.9 | 1.5 | -   |
| 220 | 4.4 | 11.9 | 1.8 | 1.4 | 0.1 |

## 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                     | 20x ~ 220x                                                            |
| Macro zoom                        | No                                                                    |
| Working distance                  | Standard                                                              |
| Lens type                         | Glass with anti-reflection coating                                    |
| Sensor                            |                                                                       |
| Sensor type                       | CMOS                                                                  |
| Resolution                        | 1.3 Megapixel (1280x1024)                                             |
| Maximum frame rate                | 30 fps                                                                |
| Compatibility                     |                                                                       |
| 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)           |
| Housing                           |                                                                       |

|                      |                                                                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing material     | Metal housing                                                                                                                                                                                |
| Magnification lock   | Yes                                                                                                                                                                                          |
| Dimensions           | 10.5cm (L) x 3.2cm (D)                                                                                                                                                                       |
| Weight               | 105g                                                                                                                                                                                         |
| Cable length         | 1.8m                                                                                                                                                                                         |
| Features             |                                                                                                                                                                                              |
| Special feature      | Extended Dynamic Range (EDR), Extended Depth of Field (EDOF)                                                                                                                                 |
| Measurement          | Yes                                                                                                                                                                                          |
| Calibration          | Yes                                                                                                                                                                                          |
| Microtouch sensor    | Yes                                                                                                                                                                                          |
| ESD safe             | No                                                                                                                                                                                           |
| 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          | €800,00 - €1000,00                                                                                                                                                                           |

## Product Gallery

### AM4815ZT

Butterfly with EDOF



CPU pins with EDOF



### AM4815ZT

with EDOF



with EDOF



Butterfly without EDOF



CPU pins without EDOF



without EDOF



without EDOF



