

# AM4815ZTL - Edge



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



EXTENDED  
DYNAMIC RANGE  
EDR



EXTENDED  
DEPTH OF FIELD  
EDOF



1.3 MEGAPIXEL  
1280 x 1024



8 WHITE LEDs  
SWITCHABLE



POLARIZER  
ANTI-REFLECTION



EXCHANGEABLE  
CAP

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)*

## Additional Info

- Dino-Lite Range: Dino-Lite Long Working Distance
- Resolution: Medium (800x600 - 1.3 Megapixel)
- Magnification: Low/medium (10x-140x)
- Interface: USB 2.0
- Working Distance: Long
- Price Range (excl. VAT): €550,00 - €750,00
- Light/ LED type: White
- ESD Safe: No
- Polarizer: Yes
- Housing: Composite/plastic housing
- Special feature: Ext. Dynamic Range (EDR), Ext. Depth of Field (EDOF)
- Dino-Lite Range: Dino-Lite Long Working Distance
- 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
- Magnification: 10-140x
- Macro zoom: No
- Working Distance: Long
- Resolution: 1.3 Megapixel (1280x1024)
- Maximum Frame rate: 30 fps
- Interface: USB 2.0
- Housing material: Composite/ plastic housing
- Magnification lock: Yes
- Measurement: Yes
- Calibration: Yes
- Microtouch sensor: Yes
- ESD Safe: No
- Special feature: Ext. Dynamic Range (EDR), Ext. Depth of Field (EDOF)
- 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
- Price Range: €550,00 - €750,00

### • Details

- Dino-Lite range: Dino-Lite Long Working Distance

### • 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: 10-140x
- Macro zoom: No
- Working distance: Long
- 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 XP, Vista, 7, 8 & 10, MacOS 10.9 and up
- Included software: DinoCapture 2.0 (Windows), DinoXscope (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
- Supported image formats (MacOS): -
- Supported video formats (MacOS): -
- Imaging standards: DirectShow, UVC

#### • **Housing**

- Housing material: Composite/ plastic housing
- Magnification lock: Yes
- Dimensions: 10.5cm (L) x 3.2cm (D)
- Weight: 105g
- Cable length: 1.8m

#### • **Features**

- Special feature: Ext. Dynamic Range (EDR), Ext. 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: €550,00 - €750,00
- Working distance/ field of view/ depth of field:

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

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