

# AM4115ZTL - EDGE

**Product Code:** AM4115ZTL



## Short Description

1.3 Megapixel resolution  
Versatility due to exchangeable caps  
10-140x magnification  
Polarizer (anti-reflection)  
Long Working Distance (LWD)

## Description

The wide range of magnification (10-140x), the large field of view and working distance of up to 23 cm makes the AM4115ZTL the ideal solution for all situations where a longer distance between the microscope and the object is required or when it is needed to work under the microscope (repair, rework and assembly tasks etc.)

The built-in adjustable polarizer reduces glare and reflection on shiny objects.



USB 2.0



Measurement  
functionality



Continuous  
~10x - 140x



Magnification  
lock



1.3 megapixel  
1280 x 1024



8 White LEDs  
switchable



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

| MAGNIFICATION RATE | WORKING DISTANCE* | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|--------------------|-------------------|------------------|------------------|----------------|
| 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           |

Listed values may differ slightly

\* With front cap

Unit = mm

## 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           |
| 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 (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                                                                                                                                                                                |
| Supported image formats (MacOS)   | JPEG, PNG                                                                                                                                                                                    |
| Supported video formats (MacOS)   | MOV                                                                                                                                                                                          |
| 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                   | No                                                                                                                                                                                           |
| 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                       | €600,00 - €800,00                                                                                                                                                                            |