

# AM4115TL - EDGE

**Brand:**

**Product Code:** AM4115TL



## Short Description

1.3 Megapixel resolution

Versatility due to exchangeable caps

10-140x magnification

Long working distance

## Description

The wide range of magnification (10-140x), the large field of view and working distance of up to 23 cm makes the AM4115TL 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.)



USB 2.0



Measurement  
functionality



Continuous  
~10x - 140x



Magnification  
lock



1.3 megapixel  
1280 x 1024



8 White LEDs  
switchable



Long working  
distance



Exchangeable  
cap

**Working distance/field of view/depth of field**

| MAGNIFICATION RATE                | WORKING DISTANCE* | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|-----------------------------------|-------------------|------------------|------------------|----------------|
| Listed values may differ slightly | * With front cap  |                  |                  | Unit = mm      |

|     |      |      |      |      |
|-----|------|------|------|------|
| 10  | 227  | 39.0 | 31.2 | 12   |
| 20  | 105  | 19.5 | 15.6 | 4.5  |
| 30  | 65   | 13.0 | 10.4 | 3.1  |
| 40  | 47   | 9.8  | 7.8  | 1.8  |
| 50  | 36   | 7.8  | 6.2  | 1.2  |
| 60  | 30   | 6.5  | 5.2  | 0.9  |
| 70  | 26.2 | 5.6  | 4.5  | 0.6  |
| 80  | 23.8 | 4.9  | 3.9  | 0.5  |
| 90  | 22.4 | 4.3  | 3.5  | 0.37 |
| 100 | 21.7 | 3.9  | 3.1  | 0.28 |
| 110 | 21.6 | 3.5  | 2.8  | 0.22 |
| 120 | 21.8 | 3.3  | 2.6  | 0.17 |
| 130 | 22.3 | 3.0  | 2.4  | 0.12 |
| 140 | 23   | 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              | No                                 |
| 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                                                                                                                                                                              |
| 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                   | No                                                                                                                                                                                           |
| 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                       | €500,00 - €700,00                                                                                                                                                                            |

## Product Gallery

