

AM4515ZTL - EDGE



Brand:
Product Code: AM4515ZTL

Short Description

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

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



Measurement
functionality



Continuous
~10x - 140x



Magnification
lock



Automatic
Magnification
Reading (AMR)



1.3 megapixel
1280 x 1024



8 White LEDs
switchable



Polarizer
anti-reflection



Long working
distance



Exchangeable
cap

With the built-in Automatic Magnification Reading (AMR), measurements can be performed easily and quickly. 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 AM4515ZTL is the ideal choice in situations, where real time images are vital, such as working on PCB's or other miniature objects.

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 | * Without front cap | | | Unit = mm |
| 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 |
| 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) |
| 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 | Automatic Magnification Reading (AMR) |
| 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 |