

# AM4515ZT



**Brand:** Dino-Lite

**Product Code:** AM4515ZT - EDGE

## Short Description

1.3 Megapixel Edge sensor

Versatility due to exchangeable caps

20-220x magnification

Polarizer (anti-reflection)

Automatic Magnification Reading

## 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



Adjustable  
~20x-220x



Automatic  
Magnification  
Reading (AMR)



Magnification  
lock



1.3 megapixel  
1280 x 1024



8 White LEDs  
switchable



Polarizer  
anti-reflection



Exchangeable  
cap

With the built-in automatic magnification reading, 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.

***Also available: AM4515T - 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              |

### **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                                                           |
| <b>Optics</b>                     |                                                                       |
| Magnification                     | 20-220x                                                               |
| Macro zoom                        | No                                                                    |
| Working distance                  | Standard                                                              |
| Lens type                         | Glass with anti-reflection coating                                    |
| <b>Sensor</b>                     |                                                                       |
| Sensor type                       | CMOS                                                                  |
| Resolution                        | 1.3 Megapixel (1280x1024)                                             |
| Maximum frame rate                | 30 fps                                                                |
| <b>Compatibility</b>              |                                                                       |
| 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)           |
| <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                   | Automatic Magnification Reading (AMR)                                 |
| 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          | €600,00 - €800,00                                                                                                                          |

## Product Gallery

