

# AF4535ZTLE

**Brand:**

**Product Code:** AF4535ZTLE

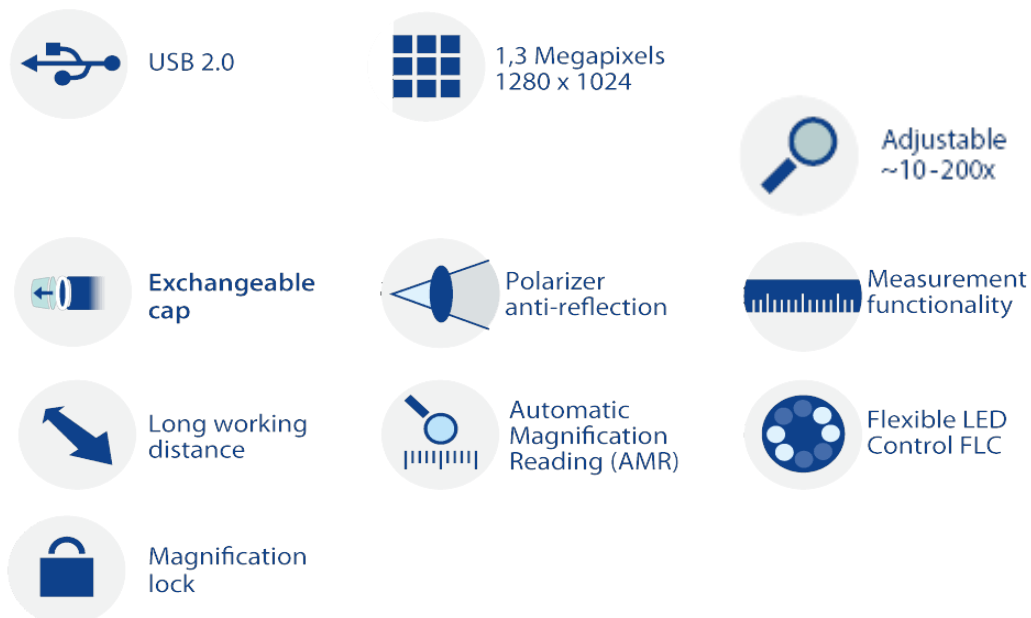
## Short Description

1.3 Megapixel Edge sensor  
 10x~200x magnification  
 Flexible LED Control (FLC)  
 Automatic Magnification Reading (AMR)  
 Wireless-ready

## Description

The Dino-Lite AF4535ZTLE is part of Long Working Distance (LWD) series and connects to your device via USB. The AF4535ZTLE is Wireless-ready, but requires the (optional) WF-20 to make it a fully wireless solution.

In comparison, the AF4x35 series provides a similar working distance range but achieves higher magnifications compared to the AM4x15 series.




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The AF4535ZTLE is equipped with premium features such as Flexible LED control (FLC), integrated polarizer, extensive measurement functionality and Automatic Magnification Reading (AMR) for measurement-intensive applications.

## The main features of the AF4535ZTLE are:

- 1.3 Megapixel Edge sensor
- 10x~200x magnification
- Adjustable polarizer
- Automatic Magnification Reading (AMR)
- Flexible LED Control (FLC)
- Wireless-ready, requires the F-20 adapter (optional)
- And more...

### 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                                | 355.8               | 39.1             | 29.3             | 55.2           |
| 20                                | 173.0               | 19.5             | 14.7             | 14.5           |
| 30                                | 113.1               | 13.0             | 9.8              | 6.7            |
| 40                                | 83.8                | 9.8              | 7.3              | 3.9            |
| 50                                | 66.8                | 7.8              | 5.9              | 2.6            |
| 60                                | 55.9                | 6.5              | 4.9              | 1.9            |
| 70                                | 48.6                | 5.6              | 4.2              | 1.5            |
| 80                                | 43.4                | 4.9              | 3.7              | 1.2            |
| 90                                | 39.8                | 4.3              | 3.3              | 1.0            |
| 100                               | 37.1                | 3.9              | 2.9              | 0.8            |
| 110                               | 35.2                | 3.6              | 2.7              | 0.7            |
| 120                               | 33.8                | 3.3              | 2.4              | 0.6            |
| 130                               | 32.9                | 3.0              | 2.3              | 0.5            |
| 140                               | 32.3                | 2.8              | 2.1              | 0.5            |
| 150                               | 32.0                | 2.6              | 2.0              | 0.4            |
| 160                               | 31.8                | 2.4              | 1.8              | 0.4            |
| 170                               | 31.9                | 2.3              | 1.7              | 0.4            |
| 180                               | 32.1                | 2.2              | 1.6              | 0.3            |
| 190                               | 32.5                | 2.1              | 1.5              | 0.3            |
| 200                               | 33.0                | 2.0              | 1.5              | 0.3            |

### 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                     | 10x~200x  |
| Macro zoom                        | No  |
| Working distance                  | Long  |
| 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 10.12 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-20 adapter (optional)                 |
| <b>Housing</b>                    |   |
| Housing material                  | Composite/ plastic housing  |
| Magnification lock                | Yes   |
| Dimensions                        | 11.4cm (L) x 3.3cm (D)  |
| Weight                            | 111g  |
| Cable length                      | 1.8m  |
| <b>Features</b>                   |   |
| Special feature                   | Automatic Magnification Reading (AMR), Flexible LED Control (FLC)     |
| 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          | €550,00 - €750,00  |

## **Product Gallery**