

# AF4935ZTE

**Product Code:** AF4935ZTE



## Short Description

10x~330x magnification

Extended Depth of Field (EDOF)

Extended Dynamic Range (EDR)

Flexible LED Control (FLC)

Automatic Magnification Reading (AMR)

## Description

The Dino-Lite AF4935ZTE is part of Universal series and connects to your device via USB. The AF4935ZTE 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.



USB 2.0



1,3 Megapixels  
1280 x 1024



Adjustable  
~10-330x



Magnification  
lock



Polarizer  
anti-reflection



Measurement  
functionality



The AF4935ZTE is equipped with premium features such as Extended Depth of Field (EDOF), Extended Dynamic Range (EDR), Flexible LED control (FLC), integrated polarizer, extensive measurement functionality and Automatic Magnification Reading (AMR) for measurement-intensive applications.

### The main features of the AF4935ZTE are:

- Wireless-ready, requires the WF-20 adapter (optional)
- 10x~330x magnification
- 1.3 Megapixel Edge sensor
- Adjustable polarizer
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Automatic Magnification Reading (AMR)
- Flexible LED Control (FLC)
- And more...

(\*EDOF/EDR only functions under Windows OS)

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

| MAGNIFICATION RATE | WORKING DISTANCE * | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|--------------------|--------------------|------------------|------------------|----------------|
| 10                 | 222.3              | 39.1             | 29.3             | 55.5           |
| 20                 | 98.9               | 19.5             | 14.7             | 14.6           |
| 30                 | 58.5               | 13.0             | 9.8              | 6.8            |
| 40                 | 38.7               | 9.8              | 7.3              | 4.0            |
| 50                 | 27.2               | 7.8              | 5.9              | 2.7            |
| 60                 | 19.9               | 6.5              | 4.9              | 2.0            |
| 70                 | 14.9               | 5.6              | 4.2              | 1.5            |
| 80                 | 11.5               | 4.9              | 3.7              | 1.2            |
| 90                 | 9.0                | 4.3              | 3.3              | 1.0            |
| 100                | 7.2                | 3.9              | 2.9              | 0.8            |
| 110                | 5.9                | 3.6              | 2.7              | 0.7            |

|     |      |     |     |     |
|-----|------|-----|-----|-----|
| 120 | 4.9  | 3.3 | 2.4 | 0.6 |
| 130 | 4.3  | 3.0 | 2.3 | 0.5 |
| 140 | 3.9  | 2.8 | 2.1 | 0.5 |
| 150 | 3.7  | 2.6 | 2.0 | 0.4 |
| 160 | 3.6  | 2.4 | 1.8 | 0.4 |
| 170 | 3.7  | 2.3 | 1.7 | 0.4 |
| 180 | 3.8  | 2.2 | 1.6 | 0.3 |
| 190 | 4.1  | 2.1 | 1.5 | 0.3 |
| 200 | 4.4  | 2.0 | 1.5 | 0.3 |
| 210 | 4.7  | 1.9 | 1.4 | 0.3 |
| 220 | 5.2  | 1.8 | 1.3 | 0.2 |
| 230 | 5.6  | 1.7 | 1.3 | 0.2 |
| 240 | 6.2  | 1.6 | 1.2 | 0.2 |
| 250 | 6.7  | 1.6 | 1.2 | 0.2 |
| 260 | 7.3  | 1.5 | 1.1 | 0.2 |
| 270 | 7.9  | 1.4 | 1.1 | 0.2 |
| 280 | 8.5  | 1.4 | 1.0 | 0.2 |
| 290 | 9.2  | 1.3 | 1.0 | 0.2 |
| 300 | 9.9  | 1.3 | 1.0 | 0.2 |
| 310 | 10.6 | 1.3 | 0.9 | 0.2 |
| 320 | 11.3 | 1.2 | 0.9 | 0.1 |
| 330 | 12.0 | 1.2 | 0.9 | 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                        |
| Optics                 |                                    |
| Magnification          | 10x ~ 330x                         |
| Macro zoom             | No                                 |
| Working distance       | Standard                           |
| 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 10.11.16 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                                                                                                                                                                   |
| Dimensions                        | 11.4cm (L) x 3.3cm (D)                                                                                                                                                                       |
| Weight                            | 111g                                                                                                                                                                                         |
| Cable length                      | 1.8m                                                                                                                                                                                         |
| <b>Features</b>                   |                                                                                                                                                                                              |
| Special feature                   | Automatic Magnification Reading(AMR), Ext. Dynamic Range (EDR), Extended Depth of Field (EDOF), 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                       | €800,00 - €1000,00                                                                                                                                                                           |

## Product Gallery

