

# AF4935ZTLE

**Marca:**

**Código del producto:** AF4935ZTLE

## Short Description

10x~200x magnification

Extended Depth of Field (EDOF)

Extended Dynamic Range (EDR)

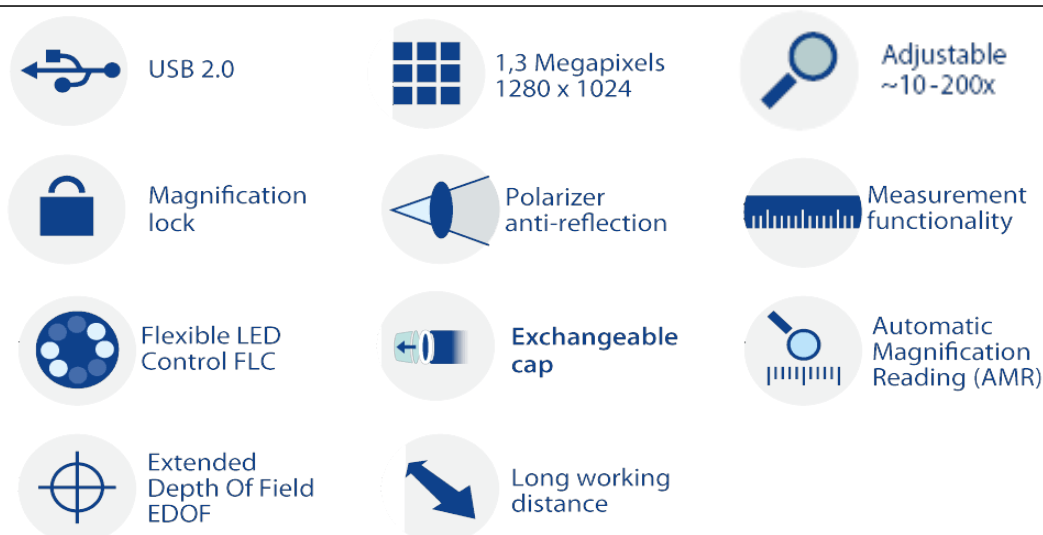
Flexible LED Control (FLC)

Automatic Magnification Reading (AMR)

## Descripción

The Dino-Lite AF4935ZTLE is part of the Long Working Distance (LWD) series and connects to your device via USB. The AF4935ZTLE 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 AF4935ZTLE 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 AF4935ZTLE are:**

- Wireless-ready, requires the WF-20 adapter (optional)
- 10x~200x 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<br>Rate                            | Working<br>Distance *          | Field of View(x) | Field of<br>View(y) | Depth of Field   |
|--------------------------------------------------|--------------------------------|------------------|---------------------|------------------|
| <b>Listed values<br/>may differ<br/>slightly</b> | <b>* Without front<br/>cap</b> |                  |                     | <b>Unit = mm</b> |
| 10                                               | 357.7                          | 39.1             | 29.3                | 55.3             |
| 20                                               | 174.6                          | 19.5             | 14.7                | 14.5             |
| 30                                               | 114.5                          | 13.0             | 9.8                 | 6.7              |
| 40                                               | 85.2                           | 9.8              | 7.3                 | 4.1              |
| 50                                               | 68.2                           | 7.8              | 5.9                 | 2.9              |
| 60                                               | 57.3                           | 6.5              | 4.9                 | 2.2              |
| 70                                               | 50.0                           | 5.6              | 4.2                 | 1.7              |
| 80                                               | 44.8                           | 4.9              | 3.7                 | 1.4              |
| 90                                               | 41.1                           | 4.3              | 3.3                 | 1.2              |
| 100                                              | 38.4                           | 3.9              | 2.9                 | 1.0              |
| 110                                              | 36.5                           | 3.6              | 2.7                 | 0.9              |
| 120                                              | 35.1                           | 3.3              | 2.4                 | 0.8              |
| 130                                              | 34.2                           | 3.0              | 2.3                 | 0.7              |
| 140                                              | 33.6                           | 2.8              | 2.1                 | 0.7              |
| 150                                              | 33.3                           | 2.6              | 2.0                 | 0.6              |
| 160                                              | 33.2                           | 2.4              | 1.8                 | 0.5              |
| 170                                              | 33.3                           | 2.3              | 1.7                 | 0.5              |
| 180                                              | 33.5                           | 2.2              | 1.6                 | 0.5              |
| 190                                              | 33.8                           | 2.1              | 1.5                 | 0.4              |

## Especificación

|                                   |                                                                       |
|-----------------------------------|-----------------------------------------------------------------------|
| <b>Lighting</b>                   |                                                                       |
| Light/ LED type                   | White                                                                 |
| Light/ LED type                   | Wireless-ready, requires the WF-20 adapter (optional)                 |
| 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                                                       |
| <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                                                                  |

| Features             |                                                                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special feature      | Automatic Magnification Reading (AMR), Extended Dynamic Range (EDR), Extended Depth of Field (EDOF), Flexible LED Control (FLC)                                                              |
| 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          | €850,00 - €1050,00                                                                                                                                                                           |

## Product Gallery