

# AF4135ZTE

**Product Code:** AF4135ZTE



## Short Description

1.3 Megapixel Edge sensor  
10x~330x magnification  
Adjustable Polarizer  
Flexible LED Control (FLC)  
Extensive measurement functionality

## Description

The AF4135ZTE excels with its versatile magnification range of 10x~330x, ensuring detailed exploration across various applications. This model also includes a polarizer, features FLC, and is compatible with the WF-20 Wi-Fi streamer.

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



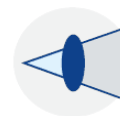
USB 2.0



1,3 Megapixels  
1280 x 1024



Adjustable  
~10-330x



Polarizer  
anti-reflection



Measurement  
functionality



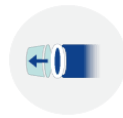
Flexible LED  
Control FLC



Magnification  
lock



Standard working  
distance



Exchangeable  
cap

The AF4135ZTE is equipped with premium features such as Flexible LED control (FLC), integrated polarizer, extensive measurement functionality.

### The main features of the AF4135ZTE are:

- Wireless-ready, requires the WF-20 adapter (optional)
- 10x~330x magnification
- 1.3 Megapixel Edge sensor
- Adjustable polarizer
- Flexible LED Control (FLC)
- 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 |
|--------------------|--------------------|------------------|------------------|----------------|
| 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 10.12 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           | JPEG, PNG                                                             |

|                                 |                                                                                                                                                                                              |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (MacOS)                         |                                                                                                                                                                                              |
| 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                 | Flexible LED Control (FLC)                                                                                                                                                                   |
| Measurement                     | Yes                                                                                                                                                                                          |
| Calibration                     | Yes                                                                                                                                                                                          |
| Microtouch sensor               | Yes                                                                                                                                                                                          |
| <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                     | €500,00 - €700,00                                                                                                                                                                            |