

# AF7915MZT



**Brand:**  
**Product Code:** AF7915MZT

## Short Description

5 Megapixel resolution  
Extended Depth of Field (EDOF)  
Extended Dynamic Range (EDR)  
Flexible LED Control (FLC)  
Automatic Magnification Reading (AMR)  
Wireless Ready

## Description

Get the detail you need on the go with the Dino-Lite AF7915MZT high-resolution digital microscope. This 5-megapixel handheld digital microscope includes advanced features like EDOF, FLC, AMR, and EDR, offering versatility for accomplishing a wide variety of tasks. AF7915MZT is compatible with the WF-20 Wi-Fi streamer.

**Note:** EDOF, EDR, and DPQ are available on Windows PC only.



USB 2.0



Adjustable  
~10-220x



5 megapixel  
2592 x 1944



With the Extended Dynamic Range (EDR) feature, the details of darker or brighter areas within the object can be revealed by stacking images at different exposure levels. The Extended Depth of Field (EDOF) feature automatically stacks images at different focus level to improve the depth of field on rough or uneven surfaces. With the built-in Automatic Magnification Reading (AMR), measurements can be performed easily and quickly. Because of the built-in polarization filter this model is ideal when working with shiny or reflective objects such as metal, plastic, glass, jewelry, electronics, etc.

**The main features of the AF7915MZT are:**

- 5 Megapixel Edge sensor
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Automatic Magnification Reading (AMR)
- Adjustable polarizer
- Flexible LED Control (FLC)
- Wireless Ready
- And more...

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

**Optical Data Table**

| <b>MAGNIFICATION RATE</b> | <b>WORKING DISTANCE *</b> | <b>FIELD OF VIEW(X)</b> | <b>FIELD OF VIEW(Y)</b> | <b>DEPTH OF FIELD</b> |
|---------------------------|---------------------------|-------------------------|-------------------------|-----------------------|
| 10                        | 142.6                     | 39.6                    | 29.7                    | 26.0                  |
| 20                        | 60.1                      | 19.8                    | 14.8                    | 7.0                   |
| 30                        | 33.6                      | 13.2                    | 9.9                     | 3.3                   |
| 40                        | 21.0                      | 9.9                     | 7.4                     | 2.0                   |
| 50                        | 14.0                      | 7.9                     | 5.9                     | 1.4                   |

|     |      |     |     |     |
|-----|------|-----|-----|-----|
| 60  | 9.8  | 6.6 | 4.9 | 1.0 |
| 70  | 7.3  | 5.7 | 4.2 | 0.8 |
| 80  | 5.7  | 4.9 | 3.7 | 0.6 |
| 90  | 4.8  | 4.4 | 3.3 | 0.5 |
| 100 | 4.3  | 4.0 | 3.0 | 0.4 |
| 110 | 4.2  | 3.6 | 2.7 | 0.4 |
| 120 | 4.3  | 3.3 | 2.5 | 0.3 |
| 130 | 4.7  | 3.0 | 2.3 | 0.3 |
| 140 | 5.2  | 2.8 | 2.1 | 0.3 |
| 150 | 5.8  | 2.6 | 2.0 | 0.3 |
| 160 | 6.5  | 2.5 | 1.9 | 0.2 |
| 170 | 7.3  | 2.3 | 1.8 | 0.2 |
| 180 | 8.1  | 2.2 | 1.6 | 0.2 |
| 190 | 9.1  | 2.1 | 1.6 | 0.2 |
| 200 | 10.0 | 2.0 | 1.5 | 0.2 |
| 210 | 11.0 | 1.9 | 1.4 | 0.2 |
| 220 | 12.1 | 1.8 | 1.3 | 0.2 |

**Listed values may differ slightly \* Without front cap Unit = mm**

## Specification

|                        |                                    |
|------------------------|------------------------------------|
| <b>Lighting</b>        |                                    |
| 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 ~ 220x                         |
| Macro zoom             | No                                 |
| Working distance       | Standard                           |
| Lens type              | Glass with anti-reflection coating |
| <b>Sensor</b>          |                                    |
| Sensor type            | CMOS                               |
| Resolution             | 5 Megapixel (2592x1944)            |
| 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), DinoXscope (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)   | PNG, JPEG  |
| Supported video formats (MacOS)   | MOV (max 1.3MP)  |
| Imaging standards                 | DirectShow, UVC  |
| Wifi                              | Wireless-ready, requires the WF-20 (optional)  |
| <b>Housing</b>                    |  |
| Housing material                  | Metal housing  |
| Magnification lock                | Yes  |
| Dimensions                        | 11.5cm (L) x 3.4cm (D)   |
| Weight                            | 97g  |
| Cable length                      | 1.8m   |
| <b>Features</b>                   |  |
| 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                          | 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                       | €1100,00 - €1300,00  |