

# AM62918MZT

**Product Code:** AM62918MZT



## Short Description

HDMI Output  
USB-C Output  
2.0 Megapixel  
Depth Acquisition (DPQ)  
Extended Dynamic Range (EDR)

## Description

The AM62918MZT is a digital microscope with a magnification range of 10x ~ 220x, featuring both 1080p HDMI and 2-megapixel USB output options from a single device. HDMI mode offers real-time, smooth, and high-definition imaging on a display, while USB mode enables advanced PC-based functionalities through software, including AMR, eFLC, EDR, EDOF, and DPQ.

**Note:** HDMI and USB mode cannot be used simultaneously.



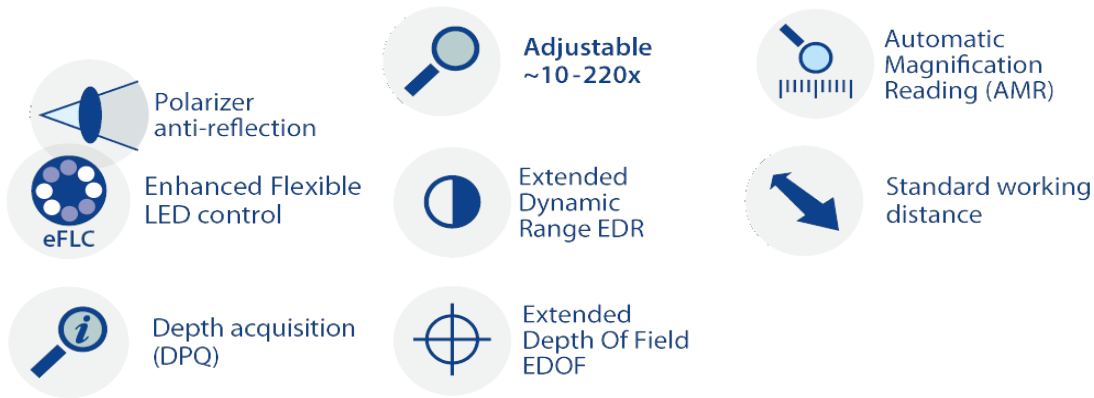
HDMI  
connector



8 White LEDs  
switchable



Metal  
housing



**The main features of the AM62918MZT are:**

- HDMI Output
- USB?C Output
- High Quality Optics
- Standard
- 2.0 Megapixel
- Adjustable Polarizer
- Microtouch Control
- Robust Metal Housing
- Auto and Manual Refocus
- Enhanced Flexible LED Control (eFLC)
- Extended Dynamic Range (EDR)
- Extended Depth of Field (EDOF)
- Depth Acquisition (DPQ)
- Automatic Magnification Readout (AMR)

**Optical Data Table**

| Magnification | Working Distance (mm) | Field of View (X) (mm) | Field of View (Y) (mm) | Depth of Field (mm) |
|---------------|-----------------------|------------------------|------------------------|---------------------|
| 10x           | 144.1                 | 60.69                  | 34.14                  | 18.56               |
| 20x           | 61.0                  | 30.35                  | 17.07                  | 5.35                |
| 30x           | 34.3                  | 20.23                  | 11.38                  | 2.69                |
| 40x           | 21.6                  | 15.17                  | 8.53                   | 1.69                |
| 50x           | 14.6                  | 12.14                  | 6.83                   | 1.19                |
| 60x           | 10.4                  | 10.11                  | 5.69                   | 0.91                |
| 70x           | 7.8                   | 8.67                   | 4.88                   | 0.72                |
| 80x           | 6.2                   | 7.59                   | 4.27                   | 0.60                |
| 90x           | 5.2                   | 6.74                   | 3.79                   | 0.51                |
| 100x          | 4.8                   | 6.07                   | 3.41                   | 0.44                |
| 110x          | 4.7                   | 5.52                   | 3.10                   | 0.39                |
| 120x          | 4.8                   | 5.06                   | 2.85                   | 0.34                |

|      |      |      |      |      |
|------|------|------|------|------|
| 130x | 5.1  | 4.67 | 2.63 | 0.31 |
| 140x | 5.6  | 4.34 | 2.44 | 0.28 |
| 150x | 6.3  | 4.05 | 2.28 | 0.26 |
| 160x | 7.0  | 3.79 | 2.13 | 0.24 |
| 170x | 7.8  | 3.57 | 2.01 | 0.22 |
| 180x | 8.6  | 3.37 | 1.90 | 0.21 |
| 190x | 9.6  | 3.20 | 1.80 | 0.19 |
| 200x | 10.6 | 3.03 | 1.71 | 0.18 |
| 210x | 11.6 | 2.89 | 1.63 | 0.17 |
| 220x | 12.6 | 2.76 | 1.55 | 0.16 |

## Specification

| Lighting           |   |
|--------------------|---|
| Light/ LED type    | White   |
| Number of LEDs     | 8   |
| Polarizer          | Yes   |
| Optics             |   |
| Magnification      | 10x ~ 220x  |
| Working distance   | Standard  |
| Lens type          | 1/2.8   |
| Sensor             |   |
| Sensor type        | CMOS  |
| Resolution         | 2.0 Megapixels (1920 x 1080)  |
| Maximum frame rate | 30 fps  |
| Compatibility      |   |
| Interface          | Hybrid microscope with switchable HDMI or USB connectivity  |
| Software           | DinoCapture 2.0 (Windows), DinoCapture 3.0 (Windows), DinoXcope (Mac OS)  |
| Housing            |   |
| Housing material   | Metal Housing   |
| Magnification lock | Yes   |
| Dimensions         | 130 mm (H) x 33 mm (D)  |
| Weight             | 120 g   |
| Cable length       | Type-C to Type-C Cable (1.8 m) Type-C to Type-A Cable (1.8 m) Mini-HDMI to HDMI Cable (1.8 m)   |
| Features           |   |
| Special feature    | Enhanced Flexible LED Control (eFLC), Depth Acquisition (DPQ), Extended Depth of Field (EDOF), Extended Dynamic Range (EDR), Auto and Manual Refocus, Automatic Magnification |

|                      |   |
|----------------------|---|
|                      | Readout (AMR)   |
| Microtouch sensor    | Yes   |
| <b>Information</b>   |   |
| Package contents     | Microscope, carry pouch, calibration target, user manual, N3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-D2 (Opal Diffuser Cap) N3C-E (Extended Open Cap) N3C-L (Long Cap) N3C-O (Open Cap) N3C-S (Sidelight Cap) |
| Warranty information | 2 years European warranty   |
| Regulatory approval  | CE, FCC, ROHS   |
| Price range          | €1400,00 - €1600,00   |