

# AM8917MZT



**Marke:**

**Artikelnummer:** AM8917MZT Edge Plus

## Short Description

High Optical Resolution

8.0 Megapixel

Enhanced Flexible LED Control (eFLC)

Automatic Magnification Reading (AMR)

Robust Metal Housing

## Beschreibung

Pushing the limits of handheld digital microscopy, the 8-megapixel AM8917MZT is a high-resolution digital microscope capable of revealing the minute details of the target. The microscope also delivers outstanding color fidelity, enhancing the imaging experience with detailed and natural-looking results. Ready to perform a wide range of tasks, AM8917MZT offers a polarizer as well as DPQ, EDOF, EDR, AMR, and eFLC.



Metal  
housing



Enhanced Flexible  
LED control



Adjustable  
~10-220x



8,0 Megapixels  
3840 x 2160



Measurement  
functionality



8 White LEDs  
switchable



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## The main features of the AM8917MZT are:

- 8 Megapixels
- High Optical Resolution
- Automatic Magnification Reading (AMR)
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Enhanced Flexible LED Control (eFLC)
- Adjustable Polarizer
- Robust Metal Housing
- 10x ~ 220x magnification (Edge shading occurs below 25x when previewing in 16:9 windows.)
- And more...

## Optical Data Table

| M   | WD    | FOV (x) | FOV (y) | DOF  |
|-----|-------|---------|---------|------|
| 10  | 142.6 | 60.69   | 34.14   | 26.0 |
| 20  | 60.1  | 30.35   | 17.07   | 7.0  |
| 30  | 33.6  | 20.23   | 11.38   | 3.3  |
| 40  | 21.0  | 15.17   | 8.53    | 2.0  |
| 50  | 14.0  | 12.14   | 6.83    | 1.3  |
| 60  | 9.8   | 10.11   | 5.69    | 1.0  |
| 70  | 7.3   | 8.67    | 4.88    | 0.78 |
| 80  | 5.7   | 7.59    | 4.27    | 0.63 |
| 90  | 4.8   | 6.74    | 3.79    | 0.52 |
| 100 | 4.3   | 6.07    | 3.41    | 0.44 |
| 110 | 4.2   | 5.52    | 3.10    | 0.38 |
| 120 | 4.3   | 5.06    | 2.85    | 0.34 |
| 130 | 4.7   | 4.67    | 2.63    | 0.31 |
| 140 | 5.2   | 4.34    | 2.44    | 0.28 |
| 150 | 5.8   | 4.05    | 2.28    | 0.26 |
| 160 | 6.5   | 3.79    | 2.13    | 0.24 |
| 170 | 7.3   | 3.57    | 2.01    | 0.22 |

|     |      |      |      |      |
|-----|------|------|------|------|
| 180 | 8.1  | 3.37 | 1.90 | 0.20 |
| 190 | 9.1  | 3.20 | 1.80 | 0.19 |
| 200 | 10.0 | 3.03 | 1.71 | 0.18 |
| 210 | 11.0 | 2.89 | 1.63 | 0.17 |
| 220 | 12.1 | 2.76 | 1.55 | 0.16 |

## Spezifikation

| Lighting                          |                                                                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Light/ LED type                   | White                                                                                                                                               |
| Number of LEDs                    | 8                                                                                                                                                   |
| Optics                            |                                                                                                                                                     |
| Magnification                     | 10x ~ 220x                                                                                                                                          |
| Working distance                  | 142.6 ~ 12.1 mm                                                                                                                                     |
| Sensor                            |                                                                                                                                                     |
| Sensor type                       | CMOS                                                                                                                                                |
| Resolution                        | 8 Megapixel (3840 x 2160)                                                                                                                           |
| Maximum frame rate                | 10 fps at 8.0 MP, MJPEG 25 fps at 2.0 MP, MJPEG                                                                                                     |
| Compatibility                     |                                                                                                                                                     |
| Interface                         | USB 2.0                                                                                                                                             |
| Operating system                  | Windows 10/11                                                                                                                                       |
| Supported image formats (Windows) | BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM                                                                               |
| Supported video formats (Windows) | WMV, FLV, SWF                                                                                                                                       |
| Housing                           |                                                                                                                                                     |
| Housing material                  | Metal housing                                                                                                                                       |
| Dimensions                        | 130 mm (H) x 33 mm (D)                                                                                                                              |
| Weight                            | 120 g                                                                                                                                               |
| Features                          |                                                                                                                                                     |
| Measurement                       | Yes                                                                                                                                                 |
| Calibration                       | Yes                                                                                                                                                 |
| Microtouch sensor                 | Yes                                                                                                                                                 |
| Information                       |                                                                                                                                                     |
| Package contents                  | 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                       | €1500,00 - €1700,00                                                                                                                                 |

