

# AM8917MZT

**Brand:** Dino-Lite  
**Product Code:** AM8917MZT Edge Plus



## Short Description

High Optical Resolution  
8.0 Megapixel  
Enhanced Flexible LED Control (eFLC)  
Automatic Magnification Reading (AMR)  
Robust Metal Housing

## Description

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



**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**

| <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                     | 60.69                   | 34.14                   | 26.01                 |
| 20                        | 60.1                      | 30.35                   | 17.07                   | 7.01                  |
| 30                        | 33.6                      | 20.23                   | 11.38                   | 3.34                  |
| 40                        | 21.0                      | 15.17                   | 8.53                    | 2.01                  |
| 50                        | 14.0                      | 12.14                   | 6.83                    | 1.37                  |
| 60                        | 9.8                       | 10.11                   | 5.69                    | 1.01                  |
| 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

Listed values may differ slightly \* Without front cap

Unit = mm

## Specification

| 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   |