

# AM8117MZTL

**Codice del prodotto:** AM8117MZTL Edge Plus



## Short Description

High Optical Resolution

8.0 Megapixel

Enhanced Flexible LED Control (eFLC)

Long Working Distance

Robust Metal Housing

## Descrizione

The AM8117MZTL 8-megapixel long working distance digital microscope captures images with stunning clarity and sharpness. Its advanced sensor technology, combined with the eFLC feature and adjustable polarizer, make the AM8117MZTL a reliable tool for high-quality imaging,



Metal housing



Enhanced Flexible LED control



Adjustable  
~10x - 140x



8,0 Megapixels  
3840 x 2160



Measurement  
functionality



8 White LEDs  
switchable



## The main features of the AM8117MZTL are:

- 8 Megapixels
- High Optical Resolution
- Enhanced Flexible LED Control (eFLC)
- Long Working Distance (LWD) Optics
- Adjustable Polarizer
- Robust Metal Housing
- 10x ~ 140x magnification (Edge shading occurs below 25x when previewing in 16:9 windows.)
- 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                 | 238.3              | 60.69            | 34.14            | 25.99          |
| 20                 | 115.4              | 30.35            | 17.07            | 6.94           |
| 30                 | 75.9               | 20.23            | 11.38            | 3.29           |
| 40                 | 57.1               | 15.17            | 8.53             | 1.98           |
| 50                 | 46.7               | 12.14            | 6.83             | 1.35           |
| 60                 | 40.5               | 10.11            | 5.69             | 0.99           |
| 70                 | 36.7               | 8.67             | 4.88             | 0.77           |
| 80                 | 34.3               | 7.59             | 4.27             | 0.62           |
| 90                 | 32.9               | 6.74             | 3.79             | 0.52           |
| 100                | 32.3               | 6.07             | 3.41             | 0.44           |
| 110                | 32.1               | 5.52             | 3.10             | 0.38           |
| 120                | 32.3               | 5.06             | 2.85             | 0.33           |
| 130                | 32.8               | 4.67             | 2.63             | 0.30           |
| 140                | 33.5               | 4.34             | 2.44             | 0.27           |

Listed values may differ slightly \* Without front cap

Unit = mm

### Specifiche

|                 |       |
|-----------------|-------|
| Lighting        |       |
| Light/ LED type | White |
| Number of LEDs  | 8     |
| Optics          |       |

|                                   |                                                                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Magnification                     | 10x ~ 140x                                                                                                                                          |
| Working distance                  | 238.3 ~ 33.5 mm                                                                                                                                     |
| Sensor                            |                                                                                                                                                     |
| Sensor type                       | CMOS                                                                                                                                                |
| Resolution                        | 8.0 Megapixel (3840x2160)                                                                                                                           |
| 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                          |                                                                                                                                                     |
| Special feature                   | Auto and Manual Refocus                                                                                                                             |
| 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                       | €1149,00 - €1349,00                                                                                                                                 |