

# AM8917MZT4



**Brand:**

**Product Code:** AM8917MZT4

## Short Description

8.0 Megapixel

Enhanced Flexible LED Control (eFLC)

Depth Acquisition (DPQ)

Extended Depth of Field (EDOF)

Automatic Magnification Readout (AMR)

## Description

Featuring EDOF for expanding the depth of field, AM8917MZT4 offers 8-megapixels of clarity at 400x ~ 470x and incorporates features like DPQ, refocus mode, AMR, eFLC, and even a polarizer for assisting professionals in high magnification tasks.

## Working distance/field of view/depth of field

| M   | WD  | FOV (x) | FOV (y) | DOF  |
|-----|-----|---------|---------|------|
| 400 | 7.2 | 1.52    | 0.85    | 0.04 |
| 410 | 8.2 | 1.48    | 0.83    | 0.04 |
| 420 | 8.6 | 1.44    | 0.81    | 0.04 |
| 430 | 8.5 | 1.41    | 0.79    | 0.04 |
| 440 | 8.5 | 1.38    | 0.78    | 0.04 |
| 450 | 8.4 | 1.35    | 0.76    | 0.04 |
| 460 | 8.4 | 1.32    | 0.74    | 0.04 |
| 470 | 8.3 | 1.29    | 0.73    | 0.04 |

## Specification

|                                   |                                                                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lighting                          |                                                                                                                                                                                 |
| Light/ LED type                   | White LEDs                                                                                                                                                                      |
| Optics                            |                                                                                                                                                                                 |
| Magnification                     | 400x ~ 470x                                                                                                                                                                     |
| Sensor                            |                                                                                                                                                                                 |
| 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 macOS 10.14 or later                                                                                                                                              |
| Supported image formats (Windows) | DinoCapture 2.0: BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM                                                                                          |
| Supported video formats (Windows) | DinoCapture 2.0: WMV, FLV, SWF                                                                                                                                                  |
| Supported image formats (MacOS)   | DinoXcope: PNG, JPEG                                                                                                                                                            |
| Supported video formats (MacOS)   | DinoXcope: MOV                                                                                                                                                                  |
| Housing                           |                                                                                                                                                                                 |
| Magnification lock                | Yes                                                                                                                                                                             |
| Dimensions                        | 133 mm (H) x 33 mm (D)                                                                                                                                                          |
| Weight                            | Approx. 120 g                                                                                                                                                                   |
| Cable length                      | Approx. 1.8 m                                                                                                                                                                   |
| Features                          |                                                                                                                                                                                 |
| Special feature                   | EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only.                                                                                                       |
| Measurement                       | Yes                                                                                                                                                                             |
| Calibration                       | Yes                                                                                                                                                                             |
| Microtouch sensor                 | Yes                                                                                                                                                                             |
| Information                       |                                                                                                                                                                                 |
| Package contents                  | Microscope, carry pouch, 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                                                                                                                                                                   |