

# AM8917MT8A

**Brand:**

**Product Code:** AM8917MT8A

## Short Description

8.0 Megapixel

Enhanced Flexible LED Control (eFLC, with coaxial light)

Depth Acquisition (DPQ)

Extended Depth of Field (EDOF)

Automatic Magnification Readout (AMR)

## Description

Equipped with coaxial light, EDOF, and many other sophisticated features, AM8917MT8A is an 800x microscope ideal for viewing reflective surfaces and delivering all-in-focus images. The AM8917MT8A includes DPQ, EDR, AMR, and Auto and Manual Refocusing.

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

| M   | WD  | FOV (x) | FOV (y) | DOF  |
|-----|-----|---------|---------|------|
| 700 | 5.8 | 0.87    | 0.49    | 0.01 |
| 750 | 5.7 | 0.81    | 0.46    | 0.01 |
| 800 | 5.6 | 0.76    | 0.43    | 0.01 |
| 850 | 5.6 | 0.71    | 0.40    | 0.01 |
| 900 | 5.5 | 0.68    | 0.38    | 0.01 |

## Specification

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Lighting           |                                                 |
| Light/ LED type    | White LED                                       |
| Optics             |                                                 |
| Magnification      | 700x ~ 900x                                     |
| 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                                                                                                                                                                  |
| <b>Housing</b>                    |                                                                                                                                                                                 |
| Magnification lock                | Yes                                                                                                                                                                             |
| Dimensions                        | 133 mm (H) x 32 mm (D)                                                                                                                                                          |
| Weight                            | Approx. 124 g                                                                                                                                                                   |
| Cable length                      | Approx. 1.8 m                                                                                                                                                                   |
| <b>Features</b>                   |                                                                                                                                                                                 |
| Special feature                   | EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only.                                                                                                       |
| Measurement                       | Yes                                                                                                                                                                             |
| Calibration                       | Yes                                                                                                                                                                             |
| Microtouch sensor                 | Yes                                                                                                                                                                             |
| <b>Information</b>                |                                                                                                                                                                                 |
| 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                                                                                                                                                                   |