

# AM8517MT-FUW



**Brand:**  
**Product Code:** AM8517MT-FUW

## Short Description

8.0 Megapixel  
 High Sensitivity Sensor  
 High Optical Resolution  
 Automatic Magnification Readout (AMR)  
 Robust Metal Housing

## Description

Equipped with dual lighting, the AM8517MT-FUW 8-megapixel microscope features 375 nm LEDs for UV applications and white LEDs for high color fidelity imaging. This microscope is suitable for industrial inspections, forensic analysis, counterfeit detection, and other applications where high-quality imaging and UV lighting is required.

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

| M  | WD   | FOV (x) | FOV (y) | DOF  |
|----|------|---------|---------|------|
| 20 | 57.5 | 30.35   | 17.07   | 5.94 |
| 30 | 31.8 | 20.23   | 11.38   | 2.84 |
| 40 | 19.7 | 15.17   | 8.53    | 1.71 |
| 50 | 13.0 | 12.14   | 6.83    | 1.17 |
| 60 | 9.0  | 10.11   | 5.69    | 0.86 |
| 70 | 6.6  | 8.67    | 4.88    | 0.67 |
| 80 | 5.2  | 7.59    | 4.27    | 0.54 |

|     |      |      |      |      |
|-----|------|------|------|------|
| 90  | 4.4  | 6.74 | 3.79 | 0.45 |
| 100 | 4.0  | 6.07 | 3.41 | 0.38 |
| 110 | 4.0  | 5.52 | 3.10 | 0.33 |
| 120 | 4.3  | 5.06 | 2.85 | 0.29 |
| 130 | 4.7  | 4.67 | 2.63 | 0.26 |
| 140 | 5.3  | 4.34 | 2.44 | 0.23 |
| 150 | 6.0  | 4.05 | 2.28 | 0.21 |
| 160 | 6.8  | 3.79 | 2.13 | 0.19 |
| 170 | 7.6  | 3.57 | 2.01 | 0.18 |
| 180 | 8.6  | 3.37 | 1.90 | 0.16 |
| 190 | 9.6  | 3.20 | 1.80 | 0.15 |
| 200 | 10.6 | 3.03 | 1.71 | 0.14 |
| 210 | 11.7 | 2.89 | 1.63 | 0.13 |
| 220 | 12.8 | 2.76 | 1.55 | 0.12 |

## Specification

|                                   |  |
|-----------------------------------|--|
| <b>Lighting</b>                   |  |
| Light/ LED type                   | White LED   375 nm LED   |
| <b>Optics</b>                     |  |
| Magnification                     | 20x ~ 220x   |
| <b>Sensor</b>                     |  |
| Resolution                        | 8.0 Megapixel (3840 x 2160)  |
| Maximum frame rate                | 10 fps at 8.0 MP, MJPEG 25 fps at 2.0 MP, MJPEG  |
| <b>Compatibility</b>              |  |
| 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                        | 130 mm (H) x 32 mm (D)   |
| Weight                            | Approx. 118 g  |
| Cable length                      | Approx. 1.8 m  |
| <b>Features</b>                   |  |

|                      |   |
|----------------------|---|
| 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   |
| Price range          | €1250,00 - €1400,00   |