

AM4117MT-RFYW



Marca:

Codice del prodotto: AM4117MT-RFYW

Short Description

1.3 Megapixel
High Sensitivity Sensor
Red Fluorescence
Dual Lighting
Robust Metal Housing

Descrizione

Detect red fluorescence emissions with the AM4117MT-RFYW high sensitivity 10x ~ 220x digital microscope. AM4117MT-RFYW has a 575 nm excitation light and provides clear images of samples labeled with fluorescent probes such as mRFP, mCherry, and Alexa Fluor 594, making it ideal for applications in research, medical diagnostics, and forensics.

Working distance/field of view/depth of field

| M | WD | FOV (x) | FOV (y) | DOF |
|----|-------|---------|---------|------|
| 10 | 142.8 | 39.1 | 29.3 | 23.5 |
| 20 | 59.9 | 19.5 | 14.7 | 6.3 |
| 30 | 33.3 | 13.0 | 9.8 | 3.0 |
| 40 | 20.6 | 9.8 | 7.3 | 1.8 |
| 50 | 13.6 | 7.8 | 5.9 | 1.2 |
| 60 | 9.4 | 6.5 | 4.9 | 0.9 |

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|-----|------|-----|-----|-----|
| 70 | 6.8 | 5.6 | 4.2 | 0.7 |
| 80 | 5.3 | 4.9 | 3.7 | 0.6 |
| 90 | 4.3 | 4.3 | 3.3 | 0.5 |
| 100 | 3.9 | 3.9 | 2.9 | 0.4 |
| 110 | 3.8 | 3.6 | 2.7 | 0.3 |
| 120 | 3.9 | 3.3 | 2.4 | 0.3 |
| 130 | 4.2 | 3.0 | 2.3 | 0.3 |
| 140 | 4.7 | 2.8 | 2.1 | 0.2 |
| 150 | 5.4 | 2.6 | 2.0 | 0.2 |
| 160 | 6.1 | 2.4 | 1.8 | 0.2 |
| 170 | 6.9 | 2.3 | 1.7 | 0.2 |
| 180 | 7.7 | 2.2 | 1.6 | 0.2 |
| 190 | 8.7 | 2.1 | 1.5 | 0.2 |
| 200 | 9.6 | 2.0 | 1.5 | 0.1 |
| 210 | 10.7 | 1.9 | 1.4 | 0.1 |
| 220 | 11.7 | 1.8 | 1.3 | 0.1 |

Specifiche

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|--------------------|---|
| Lighting | |
| Light/ LED type | Excitation Light (?peak = 575 nm) White Light |
| Optics | |
| Magnification | 10x ~ 220x |
| Sensor | |
| Resolution | 1.3 Megapixel (1280 x 960) |
| Maximum frame rate | 30 fps at 1.3 MP, MJPEG 30 fps at VGA, MJPEG |
| Compatibility | |
| Interface | USB 2.0 |
| Operating system | Windows 10/11 macOS 10.14 or later |
| Housing | |
| Magnification lock | Yes |
| Dimensions | 104 mm (H) x 32 mm (D) |
| Weight | Approx. 90 g |
| Cable length | Approx. 1.8 m |
| Features | |
| 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 |

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| Warranty information | 2 years European warranty |
| Regulatory approval | CE, FCC, ROHS |