

# AM4517MT-G2FBW



**Marca:**

**Codice del prodotto:** AM4517MT-G2FBW

## Short Description

1.3 Megapixel

Green fluorescence

High sensitivity sensor

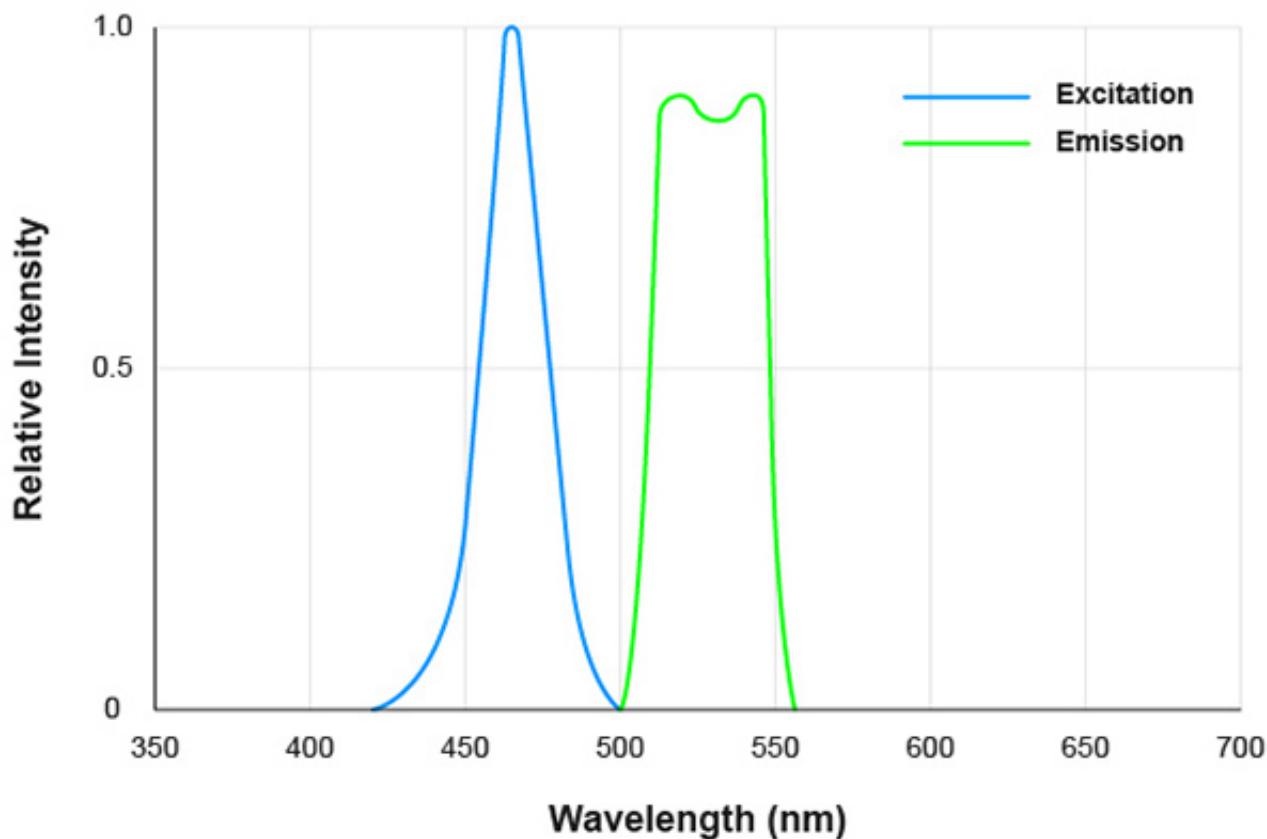
Adjustable LED intensity

Automatic Magnification Readout (AMR)

## Descrizione

Detect green fluorescence emissions with the AM4517MT-G2FBW high-sensitivity 20x ~ 220x digital microscope. It features 465 nm excitation lights and a 510 nm ~ 545 nm emission filter, suitable for capturing emissions from fluorescent probes such as GFP, FITC, and YFP. This model features AMR to ease measurements.

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Adjustable  
~20x-220x



USB 2.0



Measurement  
functionality



Metal  
housing



Magnification  
lock



Fluorescent  
LEDs



Automatic  
Magnification  
Reading (AMR)



1,3 Megapixels  
1280 x 960



Long working  
distance

### The main features of the AM4517MT-G2FBW are:

- 1.3 Megapixel
- High Sensitivity Sensor
- Green Fluorescence Detection
- Switchable White Light
- Automatic Magnification Readout (AMR)
- Robust Metal Housing

### Optical Data Table

| MAGNIFICATION RATE | WORKING DISTANCE * | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|--------------------|--------------------|------------------|------------------|----------------|
| Listed values      | * Without front    |                  |                  | Unit = mm      |

**may differ  
slightly**

**cap**

|     |      |       |       |      |
|-----|------|-------|-------|------|
| 20  | 59.8 | 19.53 | 14.65 | 7.05 |
| 30  | 33.1 | 13.02 | 9.77  | 3.36 |
| 40  | 20.5 | 9.77  | 7.32  | 2.02 |
| 50  | 13.4 | 7.81  | 5.86  | 1.38 |
| 60  | 9.2  | 6.51  | 4.88  | 1.01 |
| 70  | 6.7  | 5.58  | 4.19  | 0.79 |
| 80  | 5.1  | 4.88  | 3.66  | 0.64 |
| 90  | 4.1  | 4.34  | 3.26  | 0.53 |
| 100 | 3.7  | 3.91  | 2.93  | 0.45 |
| 110 | 3.6  | 3.55  | 2.66  | 0.39 |
| 120 | 3.7  | 3.26  | 2.44  | 0.34 |
| 130 | 4.1  | 3.01  | 2.25  | 0.3  |
| 140 | 4.5  | 2.79  | 2.09  | 0.27 |
| 150 | 5.2  | 2.6   | 1.95  | 0.25 |
| 160 | 5.9  | 2.44  | 1.83  | 0.22 |
| 170 | 6.7  | 2.3   | 1.72  | 0.21 |
| 180 | 7.5  | 2.17  | 1.63  | 0.19 |
| 190 | 8.5  | 2.06  | 1.54  | 0.18 |
| 200 | 9.4  | 1.95  | 1.46  | 0.16 |
| 210 | 10.5 | 1.86  | 1.4   | 0.15 |
| 220 | 11.5 | 1.78  | 1.33  | 0.14 |

## Specifiche

| Lighting               |                                    |
|------------------------|------------------------------------|
| Light/ LED type        | 465 nm excitation                  |
| Number of LEDs         | 7 FL + 1 White                     |
| LED on/off switchable: | Yes                                |
| Infrared filter        | No                                 |
| Diffuser available     | No                                 |
| Emission filter        | 510 nm ~ 545 nm                    |
| Polarizer              | No                                 |
| Fluorophores           | GFP, FITC, and YFP                 |
| Optics                 |                                    |
| Magnification          | 20x ~ 220x                         |
| Working distance       | Standard                           |
| Lens type              | Glass with anti-reflection coating |
| Sensor                 |                                    |
| Sensor type            | CMOS                               |
| Resolution             | 1.3 Megapixel (1280x960)           |

|                                   |                                                                                                                                                              |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum frame rate                | 30 fps                                                                                                                                                       |
| Compatibility                     |                                                                                                                                                              |
| Interface                         | USB 2.0                                                                                                                                                      |
| Operating system                  | Windows 7, 8, 10 & 11, MacOS 10.9 and up                                                                                                                     |
| Software                          | DinoCapture 2.0 (Windows), DinoXcope (Mac OS)                                                                                                                |
| Supported image formats (Windows) | BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX                                                                                        |
| Supported video formats (Windows) | WMV, FLV, SWF                                                                                                                                                |
| Supported image formats (MacOS)   | JPEG, PNG                                                                                                                                                    |
| Supported video formats (MacOS)   | MOV                                                                                                                                                          |
| Housing                           |                                                                                                                                                              |
| Housing material                  | Metal housing                                                                                                                                                |
| Magnification lock                | Yes                                                                                                                                                          |
| Dimensions                        | 104 mm (H) x 32 mm (D)                                                                                                                                       |
| Weight                            | 92g                                                                                                                                                          |
| Cable length                      | 1.8m                                                                                                                                                         |
| Features                          |                                                                                                                                                              |
| Special feature                   | Automatic Magnification Readout (AMR)                                                                                                                        |
| Measurement                       | Yes                                                                                                                                                          |
| Calibration                       | Yes                                                                                                                                                          |
| Microtouch sensor                 | Yes                                                                                                                                                          |
| Information                       |                                                                                                                                                              |
| Package contents                  | Microscope, carry pouch, calibration target, user manual, N3C-C (Close Cap) N3C-EB (Extended Open Black Cap) N3C-LB (Black Long Cap) N3C-OB (Black Open Cap) |
| Warranty information              | 2 years European warranty                                                                                                                                    |
| Regulatory approval               | CE, FCC, ROHS                                                                                                                                                |
| Price range                       | €1200,00 - €1400,00                                                                                                                                          |