

# AM4517MT-YFGW



**Marka:**

**Ürün Kodu:** AM4517MT-YFGW

## Short Description

1.3 Megapixel Edge sensor

High Sensitivity Sensor

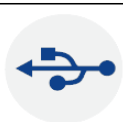
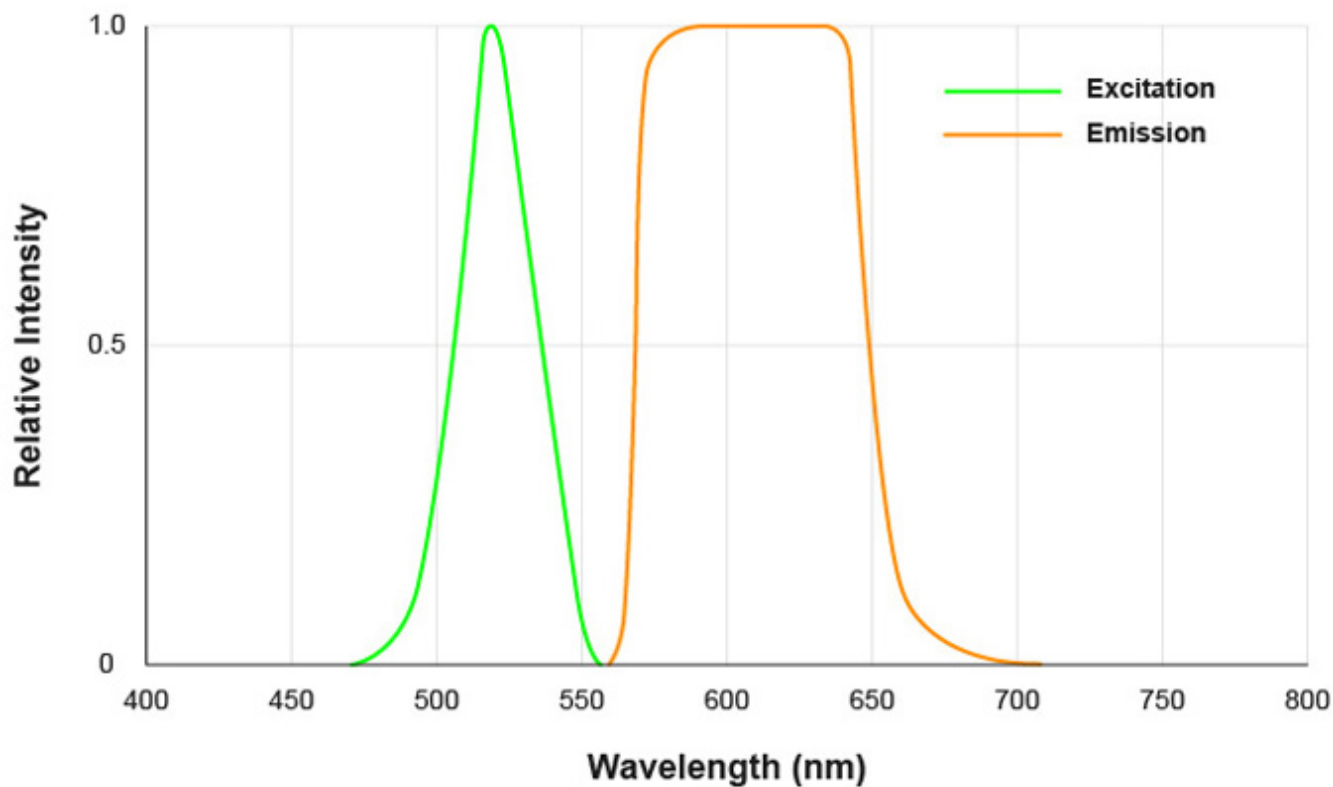
Green-Yellow/Red Fluorescence Detection

Automatic Magnification Readout (AMR)

Robust Metal Housing

## Açıklama

Detect green-yellow to red fluorescence emissions with the AM4517MT-YFGW high-sensitivity 20x ~ 220x digital microscope. It offers 520 nm excitation lights and a 570 nm ~ 650 nm emission filter, enabling visualization of fluorescent probes such as EYFP, mCherry, and Alexa Fluor 594. This model features AMR to ease measurements.



USB 2.0



Magnification  
lock



Long working  
distance



Exchangeable  
cap



Automatic  
Magnification  
Reading (AMR)



Fluorescent  
LEDs

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

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

### Optical Data Table

| Magnification<br>Rate                            | Working<br>Distance *          | Field of View(x) | Field of<br>View(y) | Depth of Field   |
|--|--------------------------------|------------------|---------------------|------------------|
| <b>Listed values<br/>may differ<br/>slightly</b> | <b>* Without front<br/>cap</b> |                  |                     | <b>Unit = mm</b> |

|      |      |       |       |      |
|------|------|-------|-------|------|
| 20x  | 59.8 | 19.53 | 14.65 | 7.05 |
| 30x  | 33.1 | 13.02 | 9.77  | 3.36 |
| 40x  | 20.5 | 9.77  | 7.32  | 2.02 |
| 50x  | 13.4 | 7.81  | 5.86  | 1.38 |
| 60x  | 9.2  | 6.51  | 4.88  | 1.01 |
| 70x  | 6.7  | 5.58  | 4.19  | 0.79 |
| 80x  | 5.1  | 4.88  | 3.66  | 0.64 |
| 90x  | 4.1  | 4.34  | 3.26  | 0.53 |
| 100x | 3.7  | 3.91  | 2.93  | 0.45 |
| 110x | 3.6  | 3.55  | 2.66  | 0.39 |
| 120x | 3.7  | 3.26  | 2.44  | 0.34 |
| 130x | 4.1  | 3.01  | 2.25  | 0.30 |
| 140x | 4.5  | 2.79  | 2.09  | 0.27 |
| 150x | 5.2  | 2.60  | 1.95  | 0.25 |
| 160x | 5.9  | 2.44  | 1.83  | 0.22 |
| 170x | 6.7  | 2.30  | 1.72  | 0.21 |
| 180x | 7.5  | 2.17  | 1.63  | 0.19 |
| 190x | 8.5  | 2.06  | 1.54  | 0.18 |
| 200x | 9.4  | 1.95  | 1.46  | 0.16 |
| 210x | 10.5 | 1.86  | 1.40  | 0.15 |
| 220x | 11.5 | 1.78  | 1.33  | 0.14 |

## Özellikler

| Lighting               |                                    |
|------------------------|------------------------------------|
| Light/ LED type        | 520 nm excitation + white          |
| Number of LEDs         | 7 FL + 1 White                     |
| LED on/off switchable: | Yes                                |
| Infrared filter        | No                                 |
| Diffuser available     | No                                 |
| Emission filter        | 570 nm ~ 650 nm                    |
| Polarizer              | No                                 |
| Fluorophores           | EYFP, mCherry, and Alexa Fluor 594 |
| Optics                 |                                    |
| Magnification          | 20x ~ 220x                         |
| Working distance       | Standard                           |
| Lens type              | Glass with anti-reflection coating |
| Sensor                 |                                    |
| Sensor type            | CMOS                               |
| Resolution             | 1.3 Megapixel (1280 x 960)         |
| 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  |
| <b>Housing</b>                    |  |
| Housing material                  | Metal housing  |
| Magnification lock                | Yes  |
| Dimensions                        | 104 mm (H) x 32 mm (D)   |
| Weight                            | 90g  |
| Cable length                      | 1.8m   |
| <b>Features</b>                   |  |
| Special feature                   | Automatic Magnification Readout (AMR)  |
| Measurement                       | Yes  |
| Calibration                       | Yes  |
| Microtouch sensor                 | Yes  |
| <b>Information</b>                |  |
| 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  |