

# AM4517MT-CFVW

**Merk:**

**Productcode:** AM4517MT-CFVW



## **Korte omschrijving**

1.3 Megapixel Edge sensor

High Sensitivity Sensor

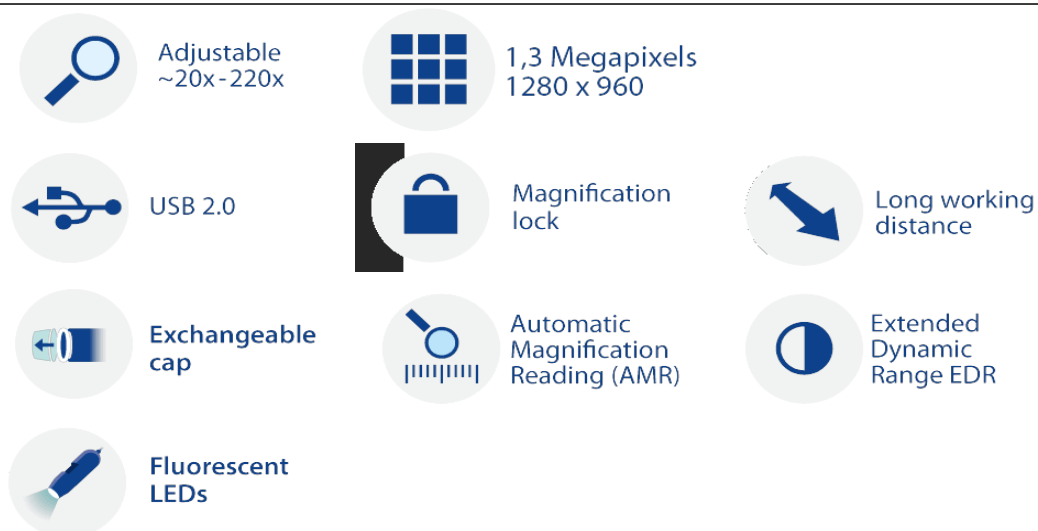
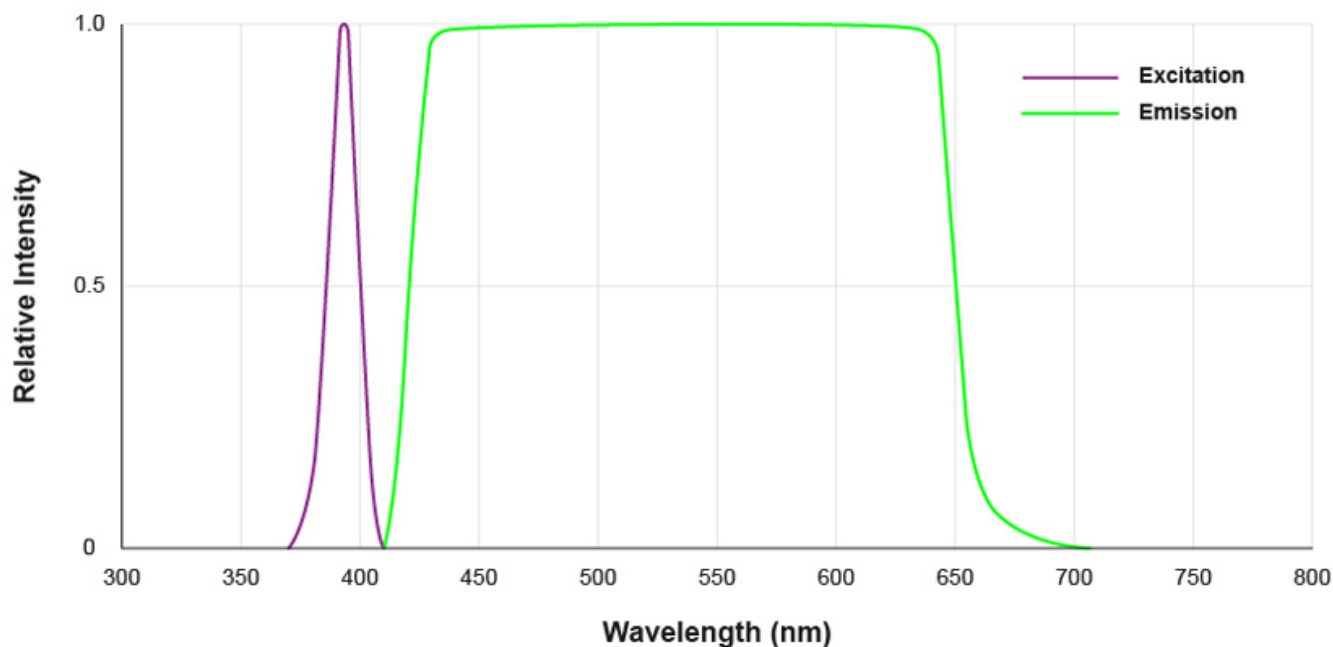
Fluorescence

Automatic Magnification Readout (AMR)

Robust Metal Housing

## **Omschrijving**

Detect a range of fluorophores from cyan to red with the AM4517MT-CFVW high-sensitivity 20x ~ 220x digital microscope. Using 400 nm excitation lights and a 420 nm ~ 650 nm emission filter, this model is suitable for a wide range of probes such as Hoechst 33342, GFP, and Alexa Fluor 405. This model features AMR to ease measurements.



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

- 1.3 Megapixel
- High Sensitivity Sensor
- Wide-Ranging 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<br>may differ<br>slightly | * Without front<br>cap |       |       | Unit = mm |
|-----------------------------------------|------------------------|-------|-------|-----------|
| 20x                                     | 60.3                   | 19.53 | 14.65 | 6.34      |
| 30x                                     | 33.6                   | 13.02 | 9.77  | 3.03      |
| 40x                                     | 20.9                   | 9.77  | 7.33  | 1.82      |
| 50x                                     | 13.9                   | 7.81  | 5.86  | 1.24      |
| 60x                                     | 9.7                    | 6.51  | 4.88  | 0.91      |
| 70x                                     | 7.1                    | 5.58  | 4.19  | 0.71      |
| 80x                                     | 5.5                    | 4.88  | 3.66  | 0.57      |
| 90x                                     | 4.0                    | 4.34  | 3.26  | 0.47      |
| 100x                                    | 4.1                    | 3.91  | 2.93  | 0.40      |
| 110x                                    | 3.6                    | 3.55  | 2.66  | 0.35      |
| 120x                                    | 4.1                    | 3.26  | 2.44  | 0.31      |
| 130x                                    | 4.5                    | 3.01  | 2.25  | 0.27      |
| 140x                                    | 5.0                    | 2.79  | 2.09  | 0.24      |
| 150x                                    | 5.6                    | 2.60  | 1.95  | 0.22      |
| 160x                                    | 6.3                    | 2.44  | 1.83  | 0.20      |
| 170x                                    | 7.1                    | 2.30  | 1.72  | 0.18      |
| 180x                                    | 8.0                    | 2.17  | 1.63  | 0.17      |
| 190x                                    | 8.9                    | 2.06  | 1.54  | 0.16      |
| 200x                                    | 9.9                    | 1.95  | 1.47  | 0.15      |
| 210x                                    | 10.9                   | 1.86  | 1.40  | 0.14      |
| 220x                                    | 12.0                   | 1.78  | 1.33  | 0.13      |

## Specificatie

| Verlichting                |                                         |
|----------------------------|-----------------------------------------|
| Licht / LED-type           | 400nm excitation + white                |
| Licht / LED-type           | €1200,00 - €1400,00                     |
| Aantal leds                | 7 FL + 1 White                          |
| LED aan / uit schakelbaar: | Yes                                     |
| Infrarood filter           | No                                      |
| Diffusor beschikbaar       | No                                      |
| Emissiefilter              | 420 nm ~ 650 nm                         |
| Polarisator                | No                                      |
| Fluorophores               | Hoechst 33342, GFP, and Alexa Fluor 405 |
| Optiek                     |                                         |
| Magnification              | 20x ~ 220x                              |
| Werkafstand                | Standard                                |
| Type lens                  | Glass with anti-reflection coating      |
| Sensor                     |                                         |

|                                      |                                                                                                                                                              |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensortype                           | CMOS                                                                                                                                                         |
| Resolutie                            | 1.3 Megapixel (1280 x 960)                                                                                                                                   |
| Maximale framesnelheid               | 30 fps                                                                                                                                                       |
| Compatibiliteit                      |                                                                                                                                                              |
| Interface                            | USB 2.0                                                                                                                                                      |
| Besturingssysteem                    | Windows 7, 8, 10 & 11, MacOS 10.9 and up                                                                                                                     |
| Software                             | DinoCapture 2.0 (Windows), DinoXcope (Mac OS)                                                                                                                |
| Ondersteunde beeldformaten (Windows) | BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX                                                                                        |
| Ondersteunde videoformaten (Windows) | WMV, FLV, SWF                                                                                                                                                |
| Ondersteunde beeldformaten (MacOS)   | JPEG, PNG                                                                                                                                                    |
| Ondersteunde videoformaten (MacOS)   | MOV                                                                                                                                                          |
| Behuizing                            |                                                                                                                                                              |
| Materiaal van de behuizing           | Metal housing                                                                                                                                                |
| Vergrotingsslot                      | Yes                                                                                                                                                          |
| Afmetingen                           | 104 mm (H) x 32 mm (D)                                                                                                                                       |
| Gewicht                              | Approx. 92 g                                                                                                                                                 |
| Kabellengte                          | 1.8m                                                                                                                                                         |
| Kenmerken                            |                                                                                                                                                              |
| Bijzonderheid                        | Automatic Magnification Readout (AMR)                                                                                                                        |
| Meting                               | Yes                                                                                                                                                          |
| Kalibratie                           | Yes                                                                                                                                                          |
| Microtouch-sensor                    | Yes                                                                                                                                                          |
| Informatie                           |                                                                                                                                                              |
| Inhoud van de verpakking             | 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) |
| Garantie-informatie                  | 2 years European warranty                                                                                                                                    |
| Regulatory approval:                 | CE, FCC, ROHS                                                                                                                                                |