

# AM4517MT-CFVW

**Marque:**

**Code produit:** AM4517MT-CFVW



## **Courte description**

1.3 Megapixel Edge sensor

High Sensitivity Sensor

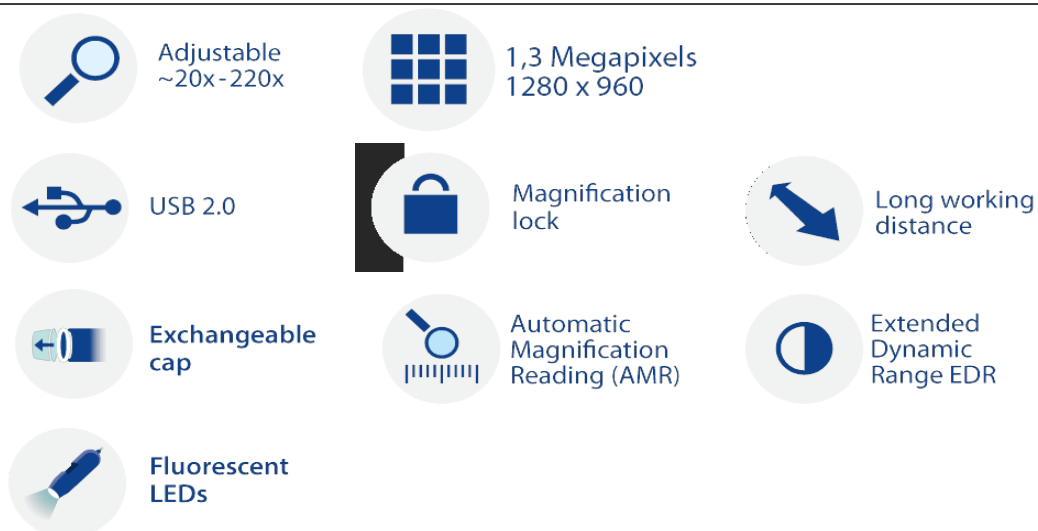
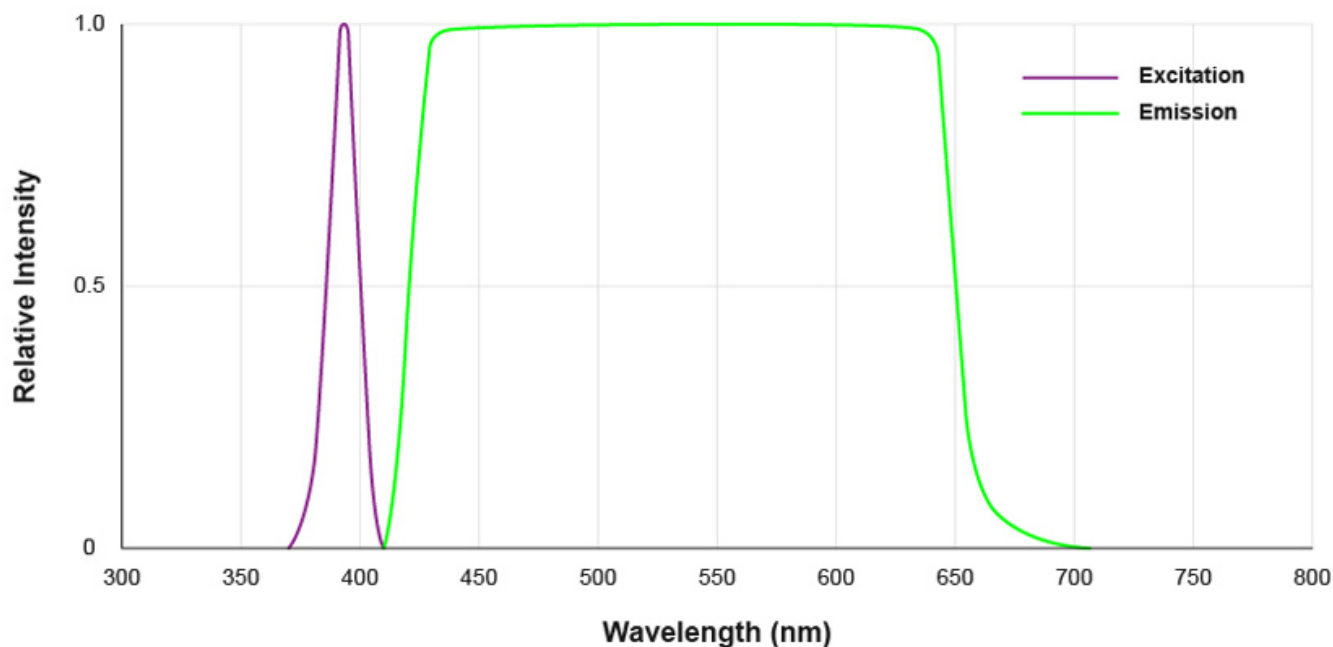
Fluorescence

Automatic Magnification Readout (AMR)

Robust Metal Housing

## **Description**

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 |
|--------------------|--------------------|------------------|------------------|----------------|
|--------------------|--------------------|------------------|------------------|----------------|

| <b>Listed values<br/>may differ<br/>slightly</b> | <b>* Without front<br/>cap</b> |       |       | <b>Unit = mm</b> |
|--------------------------------------------------|--------------------------------|-------|-------|------------------|
| 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             |