

# AM4115T-CFVW

**Merk:**

**Productcode:** AM4115T-CFVW



## Korte omschrijving

1.3 Megapixel resolution

400nm excitation and 430nm emission filter

20-220x magnification

To observe DAPI

## Omschrijving

The Dino-Lite AM4115T-CFVW digital microscope is optimized for research and viewing fluorescent objects by using 400nm near UV excitation LEDs. It has a long-pass type 430nm emission filter that is designed to observe a wide range of fluorophores with applications in developmental biology, pathology, and anatomy.



USB 2.0



Measurement  
functionality



Adjustable  
~20x-220x



Magnification  
lock



1.3 megapixel  
1280 x 1024



Fluorescent  
LEDs ~ 400nm



Standard working  
distance

The AM4115T-CFVW has the capability of switching the light source from the 400nm

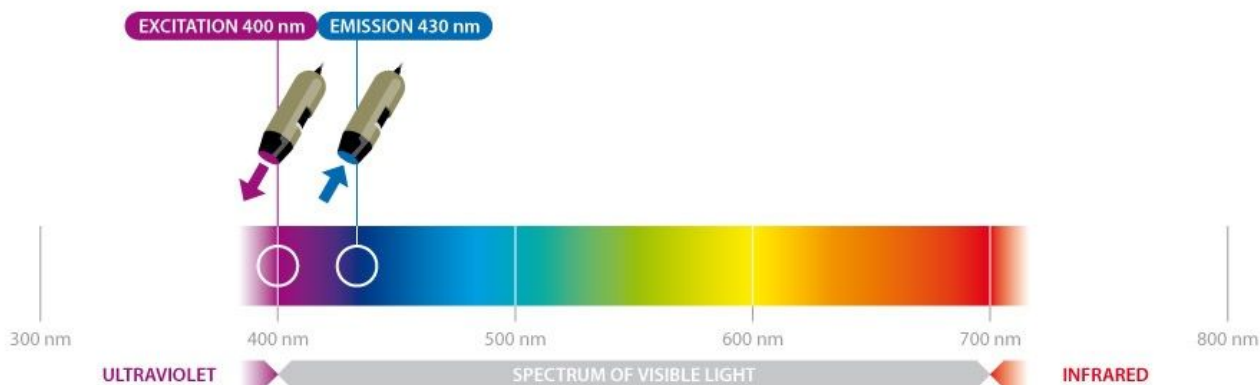
near UV excitation LEDs to the white LED, which is convenient for locating the object and obtaining an easy focus. All of these factors make the AM4115T-CFVW the smallest fluorescence microscope in the world, capable of many applications and visualizing a vast range of fluorescence.

» *Special models available on request.*

**Working distance/field of view/depth of field**

| MAGNIFICATION RATE                | WORKING DISTANCE    | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|-----------------------------------|---------------------|------------------|------------------|----------------|
| Listed values may differ slightly | * Without front cap |                  |                  | Unit = mm      |
| 20                                | 60.2                | 19.5             | 15.6             | 2.5            |
| 30                                | 33.5                | 13.0             | 10.4             | 1.8            |
| 40                                | 20.9                | 9.8              | 7.8              | 1.5            |
| 50                                | 13.9                | 7.8              | 6.3              | -              |
| 60                                | 9.7                 | 6.5              | 5.2              | -              |
| 70                                | 7.1                 | 5.6              | 4.5              | 1.0            |
| 80                                | 5.5                 | 4.9              | 3.9              | -              |
| 90                                | 4.5                 | 4.3              | 3.5              | -              |
| 100                               | 4.1                 | 3.9              | 3.1              | -              |
| 110                               | 4.0                 | 3.6              | 2.8              | -              |
| 120                               | 4.1                 | 3.3              | 2.6              | -              |
| 130                               | 4.5                 | 3.0              | 2.4              | -              |
| 140                               | 5.0                 | 2.8              | 2.2              | -              |
| 150                               | 5.6                 | 2.6              | 2.1              | -              |
| 160                               | 6.3                 | 2.4              | 2.0              | -              |
| 170                               | 7.1                 | 2.3              | 1.8              | -              |
| 180                               | 8.0                 | 2.2              | 1.7              | -              |
| 190                               | 8.9                 | 2.1              | 1.6              | -              |
| 200                               | 9.9                 | 2.0              | 1.6              | -              |
| 210                               | 10.9                | 1.9              | 1.5              | -              |
| 220                               | 11.9                | 1.8              | 1.4              | 0.1            |

**Special Light**



## Specificatie

| Verlichting                          |                                                                       |
|--------------------------------------|-----------------------------------------------------------------------|
| Licht / LED-type                     | 400nm excitation + white                                              |
| Aantal leds                          | 7 FL + 1 White                                                        |
| LED aan / uit schakelbaar:           | Yes                                                                   |
| Infrarood filter                     | No                                                                    |
| Diffusor beschikbaar                 | No                                                                    |
| Emissiefilter                        | 430nm, LP                                                             |
| Polarisator                          | No                                                                    |
| Fluorophores                         | DAPI                                                                  |
| Optiek                               |                                                                       |
| Magnification                        | 20x ~ 220x                                                            |
| Macro zoom                           | No                                                                    |
| Werkafstand                          | Standard                                                              |
| Type lens                            | Glass with anti-reflection coating                                    |
| Sensor                               |                                                                       |
| Sensortype                           | CMOS                                                                  |
| Resolutie                            | 1.3 Megapixel (1280x1024)                                             |
| 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                         | MOV                                                                   |

|                            |                                                                       |
|----------------------------|-----------------------------------------------------------------------|
| videoformaten (MacOS)      |                                                                       |
| Beeldvormingsnormen        | DirectShow, UVC                                                       |
| Wifi                       | Wireless-ready, requires the WF-10 WiFi streamer (optional)           |
| <b>Behuizing</b>           |                                                                       |
| Materiaal van de behuizing | Composite/ plastic housing                                            |
| Vergrotingsslot            | Yes                                                                   |
| Afmetingen                 | 10.5cm (L) x 3.2cm (D)                                                |
| Gewicht                    | 100g                                                                  |
| Kabellengte                | 1.8m                                                                  |
| <b>Kenmerken</b>           |                                                                       |
| Bijzonderheid              | No                                                                    |
| Meting                     | Yes                                                                   |
| Kalibratie                 | Yes                                                                   |
| Microtouch-sensor          | Yes                                                                   |
| ESD veilig                 | No                                                                    |
| <b>Informatie</b>          |                                                                       |
| Inhoud van de verpakking   | Microscope, carry pouch, software CD, calibration target, user manual |
| Garantie-informatie        | 2 years European warranty                                             |
| Regelgevende goedkeuring   | CE, FCC, ROHS                                                         |
| Prijsklasse                | €700,00 - €900,00                                                     |

## Product galerij

