

# AM4115T-RFYW

**Marke:**

**Artikelnummer:** AM4115T-RFYW



## Short Description

1.3 Megapixel resolution

575nm excitation and 610nm emission filter

20-220x magnification

To observe TxRed, mCherry

## Beschreibung

The Dino-Lite AM4115T-RFYW digital microscope is optimized for research and viewing fluorescent objects by using 575nm excitation LEDs. It has a long-pass type 610nm 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 ~ 575nm



Standard working  
distance

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The AM4115T-RFYW has the capability of switching the light source from the 575nm

LEDs for excitation lighting to the white LED, which is convenient for locating the object and obtaining an easy focus. All of these factors make the AM4115T-RFYW 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   |
|--|----------------------------|------------------|------------------|------------------|
| <b>Listed values may differ slightly</b> | <b>* Without front cap</b> |                  |                  | <b>Unit = mm</b> |
| 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**

**Spezifikation**

| Lighting                          |   |
|-----------------------------------|---|
| Light/ LED type                   | 575nm excitation + white  |
| Number of LEDs                    | 7 FL + 1 White  |
| LED on/off switchable:            | Yes   |
| Infrared filter                   | No  |
| Diffuser available                | No  |
| Emission filter                   | 610nm, LP   |
| Polarizer                         | No  |
| Fluorophores                      | TxRed, mCherry  |
| Optics                            |   |
| Magnification                     | 20x ~ 220x  |
| Macro zoom                        | No  |
| Working distance                  | Standard  |
| Lens type                         | Glass with anti-reflection coating                                    |
| Sensor                            |   |
| Sensor type                       | CMOS  |
| Resolution                        | 1.3 Megapixel (1280x1024)   |
| 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   |
| Imaging standards                 | DirectShow, UVC   |
| Wifi                              | Wireless-ready, requires the WF-10 WiFi streamer (optional)           |
| Housing                           |   |
| Housing material                  | Composite/ plastic housing  |
| Magnification lock                | Yes   |
| Dimensions                        | 10.5cm (L) x 3.2cm (D)  |
| Weight                            | 100g  |
| Cable length                      | 1.8m  |
| Features                          |   |
| Special feature                   | No  |

|                      |   |
|----------------------|---|
| Measurement          | Yes   |
| Calibration          | Yes   |
| Microtouch sensor    | Yes   |
| ESD safe             | No  |
| <b>Information</b>   |   |
| Package contents     | Microscope, carry pouch, software CD, calibration target, user manual |
| Warranty information | 2 years European warranty   |
| Regulatory approval  | CE, FCC, ROHS   |
| Price range          | €700,00 - €900,00   |

## Product Gallery

