

# AM4115T-GRFBY

**Marke:**

**Artikelnummer:** AM4115T-GRFBY



## Short Description

1.3 Megapixel resolution

465nm excitation + 580NM excitation

20-220x Magnification

To observe GFP/FITC & TxRed/mCherry

## Beschreibung

The Dino-Lite AM4115T-GRFBY digital microscope is optimized for research and viewing fluorescent objects by using 480nm and 575nm LEDs. It has a 510nm and 610nm emission filter that is designed to observe a wide range 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 ~  
480 & 575nm



Standard working  
distance

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The AM4115T-GRFBY has the capability of switching the light source from the 465nm

+ 580NM excitation, which is convenient for dual color stained fluorescence. All of these factors make the AM4115T-GRFBY 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                   | 465nm excitation + 580NM excitation                                   |
| Number of LEDs                    | 4 FL + 4 FL   |
| LED on/off switchable:            | Yes   |
| Infrared filter                   | No  |
| Diffuser available                | No  |
| Emission filter                   | 510nm & 610nm   |
| Polarizer                         | No  |
| Fluorophores                      | GFP/FITC & TxRed/mCherry  |
| Optics                            |   |
| Magnification                     | 20-220x   |
| 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           | MOV   |

|                      |   |
|----------------------|---|
| (MacOS)              |   |
| Imaging standards    | DirectShow, UVC   |
| Wifi                 | Wireless-ready, requires the WF-10 WiFi streamer (optional)           |
| <b>Housing</b>       |   |
| Housing material     | Composite/ plastic housing  |
| Magnification lock   | Yes   |
| Dimensions           | 10.5cm (L) x 3.2cm (D)  |
| Weight               | 100g  |
| Cable length         | 1.8m  |
| <b>Features</b>      |   |
| 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          | €800,00 - €1000,00  |