Dino-Lite Europe - Phone: - Email:

# AM4115T-GRFBY

Marca:

Codice del prodotto: AM4115T-GRFBY

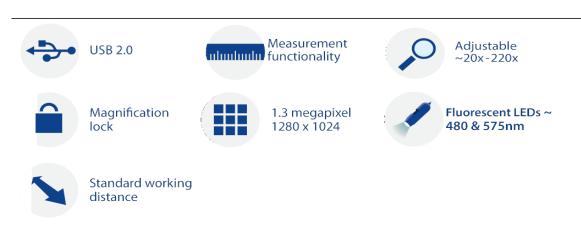


#### **Short Description**

1.3 Megapixel resolution465nm excitation + 580NM excitation20-220x MagnificationTo observe GFP/FITC & TxRed/mCherry

#### **Descrizione**

The Dino-Lite AM4115T-GRFBY digital microscope is optimized for research and viewing fluorescent objects by using 465nm and 580nm 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.



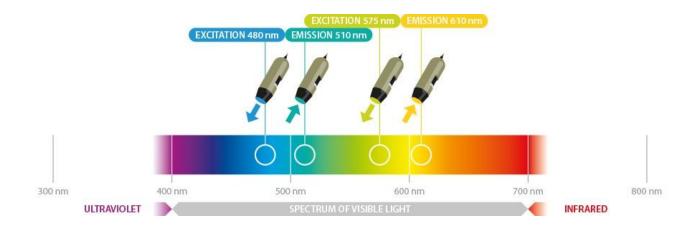
The AM4115T-GRFBY has the capability of switching the light source from the 465nm

+ 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 |                 |          |          |           |  |  |
|---|-----------------|----------|----------|-----------|--|--|
| MAGNIFICATI                                   | WORKING         | FIELD OF | FIELD OF | DEPTH OF  |  |  |
| ON RATE                                       | DISTANCE        | VIEW(X)  | VIEW(Y)  | FIELD     |  |  |
| Listed values                                 | * Without front |          |          | Unit = mm |  |  |
| may differ                                    | cap             |          |          |           |  |  |
| slightly                                      |                 |          |          |           |  |  |
|   |                 |          |          |           |  |  |
| 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**



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|---|---|
| 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                           | $20x \sim 220x$                               |
| 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                 | BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA,       |
| (Windows)                               | 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)  |  |  |  |
| 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  |  |  |  |
| Information          |   |  |  |  |
| 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                                |  |  |  |