Dino-Lite Europe - Phone: - Email:

## AM4115T-DFRW

Marca:

Código del producto: AM4115T-DFRW

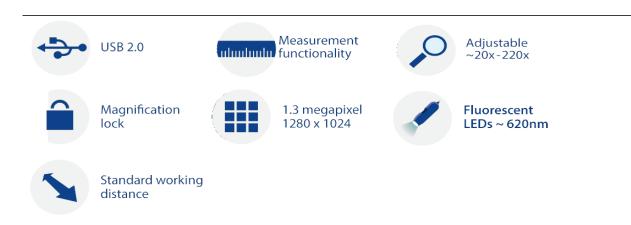


#### **Short Description**

1.3 Megapixel resolution620nm excitation and 650nm emission filter20-220x magnificationTo observe Cy5

#### Descripción

The Dino-Lite AM4115T-DFRW digital microscope is optimized for research and viewing fluorescent objects by using 620nm excitation LEDs. It has a long-pass type 650nm emission filter that is designed to observe a wide range of fluorophores with applications in developmental biology, pathology, and anatomy.



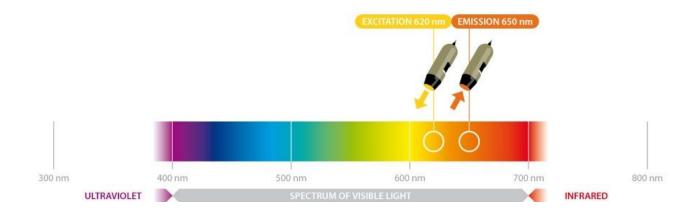
The AM4115T-DFRW has the capability of switching the light source from the 620nm

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-DFRW 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 distance | FIELD OF | FIELD OF | DEPTH OF  |  |  |
| ON RATE                                       |                  | VIEW(X)  | VIEW(Y)  | FIELD     |  |  |
| <b>Listed values</b>                          | * 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**



# Especificación

| Especification                    |   |  |  |  |
|-----------------------------------|---|--|--|--|
| Lighting                          |   |  |  |  |
| Light/ LED type                   | 620nm excitation + white                      |  |  |  |
| Number of LEDs                    | 7 FL + 1 White                                |  |  |  |
| LED on/off switchable:            | Yes   |  |  |  |
| Infrared filter                   | No  |  |  |  |
| Diffuser available                | No  |  |  |  |
| Emission filter                   | 650nm, LP                                     |  |  |  |
| Polarizer                         | No  |  |  |  |
| Fluorophores                      | Cy5   |  |  |  |
| 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          | €700,00 - €900,00                                 |  |  |  |