

AM4115T-YFGW

Brand:

Product Code: AM4115T-YFGW



Short Description

1.3 Megapixel resolution
525nm excitation
570nm emission filter
20-220x magnification
To observe Cy3, TRITC

Description

The Dino-Lite AM4115T-YFGW digital microscope is optimized for research and viewing fluorescent objects by using 525nm LEDs. It has a 570nm emission filter that is designed to observe but not limited to Cy3 and TRITC.



USB 2.0



Measurement
functionality



Adjustable
~20x-220x



Magnification
lock



1.3 megapixel
1280 x 1024



Fluorescent
LEDs ~ 525nm



Standard working
distance

Compared to the traditional fluorescence microscope's band-pass type of emission filters, the Dino-Lite's long-pass type emission filter provides visibility and sensitivity over a

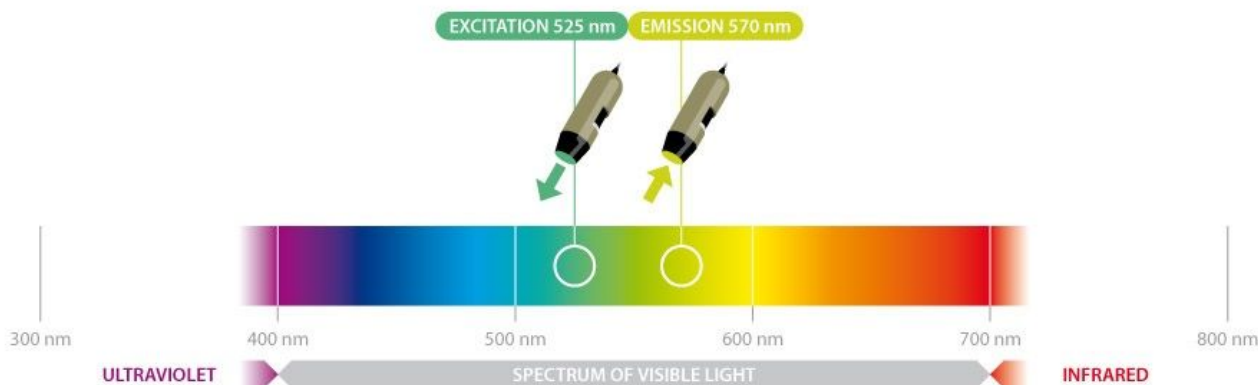
larger range of the fluorescence wavelength. The AM4115T-YFGW has the capability of switching the light source from the 525nm green excitation LED's to the white LED, which is convenient for locating the object and obtaining an easy focus.

» *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 | 14.6 | 2.5 |
| 30 | 33.5 | 13.0 | 9.7 | 1.8 |
| 40 | 20.9 | 9.8 | 7.3 | 1.5 |
| 50 | 13.9 | 7.8 | 5.8 | - |
| 60 | 9.7 | 6.5 | 4.8 | - |
| 70 | 7.1 | 5.6 | 4.2 | 1.0 |
| 80 | 5.5 | 4.9 | 3.6 | - |
| 90 | 4.5 | 4.3 | 3.2 | - |
| 100 | 4.1 | 3.9 | 2.9 | - |
| 110 | 4.0 | 3.6 | 2.7 | - |
| 120 | 4.1 | 3.3 | 2.4 | - |
| 130 | 4.5 | 3.0 | 2.2 | - |
| 140 | 5.0 | 2.8 | 2.1 | - |
| 150 | 5.6 | 2.6 | 1.9 | - |
| 160 | 6.3 | 2.4 | 1.8 | - |
| 170 | 7.1 | 2.3 | 1.7 | - |
| 180 | 8.0 | 2.2 | 1.6 | - |
| 190 | 8.9 | 2.1 | 1.5 | - |
| 200 | 9.9 | 2.0 | 1.5 | - |
| 210 | 10.9 | 1.9 | 1.4 | - |
| 220 | 11.9 | 1.8 | 1.3 | 0.1 |

Special Light



Specification

| Lighting | |
|-----------------------------------|---|
| Light/ LED type | 525nm excitation + white |
| Number of LEDs | 7 FL + 1 White |
| LED on/off switchable: | Yes |
| Infrared filter | No |
| Diffuser available | No |
| Emission filter | 570nm, LP |
| Polarizer | No |
| Fluorophores | Cy3, TRITC |
| 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) |
| 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 |

Product Gallery

