Dino-Lite Europe - Phone: - Email:

AM4115T-YFGW

Brand:

Product Code: AM4115T-YFGW

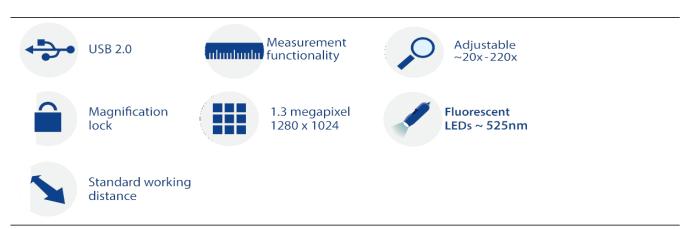


Short Description

1.3 Megapixel resolution525nm excitation570nm emission filter20-220x magnificationTo 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.



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 | | V / | 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 | $20x \sim 220x$ | | |
| 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 | | |
| Supported image formats | OS) BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, | | |
| Supported image formats (Windows) | PCX, MNG, WBMP, JP2, JPC, PGX | | |
| (Windows) Supported video formats | WMV, FLV, SWF | | |
| Supported video formats (Windows) | WWIV, FLV, SWF | | |
| Supported image formats | JPEG, PNG | | |
| (MacOS) | 1.6011 | | |
| Supported video formats | MOV | | |

| (MacOS) | | | | |
|----------------------|---|--|--|--|
| Imaging standards | DirectShow, UVC | | | |
| 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, calibration target, user | | | |
| | manual, N3C-C (Close Cap) N3C-EB (Extended | | | |
| | Open Black Cap) N3C-LB (Black Long Cap) N3C- | | | |
| | OB (Black Open Cap) | | | |
| Warranty information | 2 years European warranty | | | |
| Regulatory approval | CE, FCC, ROHS | | | |
| Price range | €700,00 - €900,00 | | | |

Product Gallery

