AM4115T-GFBW

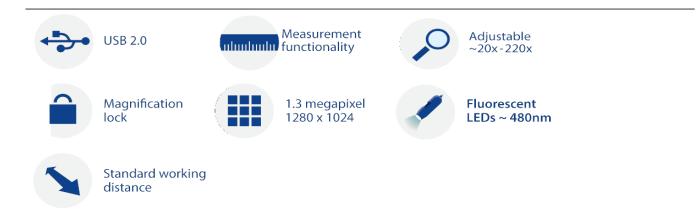
Zna?ka: Kód produktu: AM4115T-GFBW



Short Description1.3 Megapixel resolution480nm excitation and 510nm emission filter20-220x magnificationTo observe GFP, FITC

Popis

The Dino-Lite AM4115T-GFBW digital microscope is optimized for research and viewing fluorescent objects by using 480nm LEDs. It has a 510nm emission filter that is designed to observe including but not limited to GFP (green fluorescent protein).



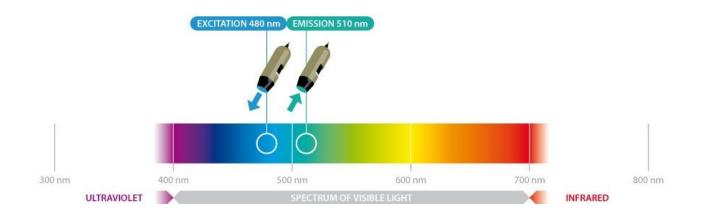
Compared to the traditional fluorescence microscope's band-pass type of emission filters, the Dino-Lite's long-pass type emission filter provides visibility and sensitivity over a

larger range of the fluorescence wavelength. Green fluorescent objects pop out under the microscope and you can clearly see its green glow. The AM4115T-GFBW has the capability of switching the light source from the 480nm 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 | ce/field of view/de | epth 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



| Specifikace | |
|--------------------------------------|--|
| Lighting | |
| Light/ LED type | 480nm excitation + white |
| Number of LEDs | 7 FL + 1 White |
| LED on/off switchable: | Yes |
| Infrared filter | No |
| Diffuser available | No |
| Emission filter | 510nm, LP |
| Polarizer | No |
| Fluorophores | GFP, FITC |
| 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 formate | OS) BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, |
| Supported image formats | PCX, MNG, WBMP, JP2, JPC, PGX |
| (Windows) Supported video formats | WMV, FLV, SWF |
| (Windows) | |
| Supported image formats (MacOS) | JPEG, PNG |
| 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 | | |

