AM4115T-RFYW

Zna?ka: Kód produktu: AM4115T-RFYW

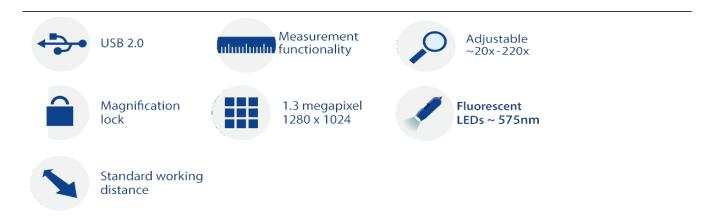


Short Description

1.3 Megapixel resolution575nm excitation and 610nm emission filter20-220x magnificationTo observe TxRed, mCherry

Popis

The Dino-Lite AM4115T-RFYW digital microscope is optimized for research and viewing fluorescent objects by using 575nm excitation LEDs. It has a long-pass type 610nm emission filter that is designed to observe a wide range of fluorophores with applications in developmental biology, pathology, and anatomy.



The AM4115T-RFYW has the capability of switching the light source from the 575nm

LEDs for excitation lighting to the white LED, which is convenient for locating the object and obtaining an easy focus. All of these factors make the AM4115T-RFYW 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 | |
| 20 30 | 33.5 | 19.5 | 10.4 | 2.3 1.8 | |
| 40 | 20.9 | 9.8 | 10.4 7.8 | 1.8 1.5 | |
| | | | | 1.3 | |
| 50 | 13.9 | 7.8 | 6.3 | - | |
| 60 70 | 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

| Light/LED type575nm excitation + whiteNumber of LEDs7 FL + 1 WhiteLED on/off switchable:YesInfrared filterNoDiffuser availableNoEmission filter610nm, LPPolarizerNoFluorophoresTxRed, mCherryOptics0Wagnification20x ~ 220xMacro zoomNoWorking distanceStandardLens typeGlass with anti-reflection coatingSensorCMOSResolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityJono & USB 2.0Optrating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXWindows)PEG, PNGSupported video formatsMOVK(MacOS)DirectShow, UVCWireless-ready, requires the WF-10 WiFi streamer (optional)Housing materialComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8m | Lighting | | | | |
|--|-----------------------------------|--|--|--|--|
| Number of LEDs7 FL + 1 WhiteLED on/off switchable:YesInfrared filterNoDiffuser availableNoEmission filter610nm, LPPolarizerNoFluorophoresTxRed, mCherryOptics | | 575nm excitation + white | | | |
| Infrared filterNoDiffuser availableNoEmission filter610nm, LPPolarizerNoFluorophoresTxRed, mCherryOpticsVarantic and the end of the end o | Number of LEDs | 7 FL + 1 White | | | |
| Diffuser availableNoEmission filter610nm, LPPolarizerNoFluorophoresTxRed, mCherryOptics0Magnification20x ~ 220xMacro zoomNoWorking distanceStandardLens typeGlass with anti-reflection coatingSensorSensorSensor typeCMOSResolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityInterfaceUSB 2.0Operating systemOptica yateDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXWindows)PCX, MNG, WBMP, JP2, JPC, PGXSupported video formatsMOV(MacOS)DirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing materialComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeaturesFeatures | LED on/off switchable: | Yes | | | |
| Emission filter610nm, LPPolarizerNoFluorophoresTxRed, mCherryOptics | Infrared filter | No | | | |
| PolarizerNoFluorophoresTxRed, mCherryOptics20x ~ 220xMagnification20x ~ 220xMacro zoomNoWorking distanceStandardLens typeGlass with anti-reflection coatingSensorSensorSensor typeCMOSResolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityInterfaceUSB 2.0Operating systemOpticating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXWindows)PCX, MNG, WBMP, JP2, JPC, PGXSupported video formatsMOV(MacOS)JPEG, PNGImaging standardsDirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing Magnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeatures | Diffuser available | No | | | |
| PolarizerNoFluorophoresTxRed, mCherryOpticsTxRed, mCherryMagnification20x ~ 220xMacro zoomNoWorking distanceStandardLens typeGlass with anti-reflection coatingSensorSensorSensor typeCMOSResolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityInterfaceUSB 2.0Operating systemSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXSupported video formatsJPEG, PNG(MacOS)JPEG, PNGImaging standardsDirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing materialComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeaturesImaging standards | Emission filter | 610nm, LP | | | |
| OpticsMagnification20x ~ 220xMacro zoomNoWorking distanceStandardLens typeGlass with anti-reflection coatingSensorSensorSensor typeCMOSResolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityInterfaceUSB 2.0Operating systemOperating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXWindows)PCX, MNG, WBMP, JP2, JPC, PGXSupported image formatsJPEG, PNG(MacOS)InterfaceSupported image formatsMOV(MacOS)DirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing materialComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeaturesInterface | Polarizer | | | | |
| OpticsMagnification20x ~ 220xMacro zoomNoWorking distanceStandardLens typeGlass with anti-reflection coatingSensorSensorSensor typeCMOSResolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityInterfaceUSB 2.0Operating systemOperating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXWindows)PCX, MNG, WBMP, JP2, JPC, PGXSupported image formatsJPEG, PNG(MacOS)InterfaceSupported image formatsMOV(MacOS)DirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing materialComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeaturesInterface | Fluorophores | TxRed, mCherry | | | |
| Magnification20x ~ 220xMacro zoomNoWorking distanceStandardLens typeGlass with anti-reflection coatingSensorSensorSensor typeCMOSResolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityUSB 2.0Operating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXSupported video formatsWMV, FLV, SWF(Windows)JPEG, PNGSupported video formatsMOV(MacOS)DirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)HousingTerctShow, UVCWifiComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeaturesLength | · · | | | | |
| Macro zoomNoWorking distanceStandardLens typeGlass with anti-reflection coatingSensorSensorSensor typeCMOSResolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityUSB 2.0InterfaceUSB 2.0Operating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXSupported video formatsWMV, FLV, SWF(Windows)JPEG, PNGSupported video formatsMOV(MacOS)DirectShow, UVCWiriWireless-ready, requires the WF-10 WiFi streamer (optional)HousingTHousing materialComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeatures | - | $20x \sim 220x$ | | | |
| Lens typeGlass with anti-reflection coatingSensorSensor typeCMOSResolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityInterfaceUSB 2.0Operating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXWindows)PCX, MNG, WBMP, JP2, JPC, PGXSupported video formatsWMV, FLV, SWF(Windows)JPEG, PNGSupported video formatsMOV(MacOS)DirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing Magnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeaturesLaster Streamer | Macro zoom | No | | | |
| SensorSensor typeCMOSResolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityInterfaceUSB 2.0Operating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX(Windows)PCX, MNG, WBMP, JP2, JPC, PGXSupported video formats (MacOS)JPEG, PNGSupported video formats (MacOS)MOVSupported video formats (MacOS)DirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing Magnification lock VesYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8m | Working distance | Standard | | | |
| SensorSensor typeCMOSResolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityInterfaceUSB 2.0Operating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX(Windows)PCX, MNG, WBMP, JP2, JPC, PGXSupported video formats (MacOS)JPEG, PNGSupported video formats (MacOS)MOVSupported video formats (MacOS)DirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing Magnification lock VesYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8m | Lens type | Glass with anti-reflection coating | | | |
| Resolution1.3 Megapixel (1280x1024)Maximum frame rate30 fpsCompatibilityInterfaceUSB 2.0Operating systemOperating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXSupported video formatsWMV, FLV, SWF(Windows)JPEG, PNGSupported video formatsMOV(MacOS)DirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)HousingComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8m | Sensor | | | | |
| Maximum frame rate30 fpsCompatibility30 fpsUSB 2.0Operating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXWindows)PCX, MNG, WBMP, JP2, JPC, PGXSupported video formatsWMV, FLV, SWF(Windows)JPEG, PNGSupported video formatsMOV(MacOS)DirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)HousingHousingHousing materialComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8m | Sensor type | CMOS | | | |
| CompatibilityInterfaceUSB 2.0Operating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXWindows)PCX, MNG, WBMP, JP2, JPC, PGXSupported video formats (Windows)WMV, FLV, SWFSupported image formats (MacOS)JPEG, PNGSupported video formats (MacOS)MOVImaging standardsDirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing Magnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8m | Resolution | 1.3 Megapixel (1280x1024) | | | |
| InterfaceUSB 2.0Operating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXWindows)PCX, MNG, WBMP, JP2, JPC, PGXSupported video formats (Windows)WMV, FLV, SWF(Windows)JPEG, PNGSupported video formats (MacOS)MOVSupported video formats (MacOS)MOVImaging standardsDirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing Magnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8m | Maximum frame rate | 30 fps | | | |
| Operating systemWindows 7, 8, 10 & 11, MacOS 10.9 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXSupported video formatsWMV, FLV, SWF(Windows)JPEG, PNGSupported video formatsMOV(MacOS)DirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing Magnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight1.8mFeatures1.8m | Compatibility | | | | |
| SoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formats (Windows)BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXSupported video formats (Windows)WMV, FLV, SWFSupported image formats (MacOS)JPEG, PNGSupported video formats (MacOS)MOVSupported video formats (MacOS)MOVSupported video formats (MacOS)MOVSupported video formats (MacOS)DirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing Magnification lock DimensionsYesDimensions10.5cm (L) x 3.2cm (D)Weight Features1.8m | Interface | USB 2.0 | | | |
| OS)Supported image formats (Windows)BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXSupported video formats (Windows)WMV, FLV, SWFSupported image formats (MacOS)JPEG, PNGSupported video formats (MacOS)MOVSupported video formats (MacOS)DirectShow, UVCWifiDirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing Magnification lock DimensionsComposite/ plastic housingMagnification lock DimensionsYesDimensions10.5cm (L) x 3.2cm (D)Weight Features1.8m | Operating system | Windows 7, 8, 10 & 11, MacOS 10.9 and up | | | |
| (Windows)PCX, MNG, WBMP, JP2, JPC, PGXSupported video formats (Windows)WMV, FLV, SWFSupported image formats (MacOS)JPEG, PNGSupported video formats (MacOS)MOVImaging standardsDirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing Magnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8m | Software | | | | |
| Supported video formats (Windows)WMV, FLV, SWFSupported image formats (MacOS)JPEG, PNGSupported video formats (MacOS)MOVImaging standardsDirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)HousingUrectShow, UVCHousing materialComposite/ plastic housing Magnification lockMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8m | Supported image formats (Windows) | | | | |
| Supported image formats (MacOS)JPEG, PNGSupported video formats (MacOS)MOVImaging standardsDirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)HousingComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8m | Supported video formats | | | | |
| Supported video formats (MacOS)MOVImaging standardsDirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)HousingComposite/ plastic housingHousing materialComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8m | Supported image formats | JPEG, PNG | | | |
| WifiWireless-ready, requires the WF-10 WiFi streamer (optional)HousingComposite/ plastic housingHousing materialComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeatures | Supported video formats (MacOS) | MOV | | | |
| Image: Constant of the second secon | Imaging standards | DirectShow, UVC | | | |
| Housing materialComposite/ plastic housingMagnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeatures | Wifi | | | | |
| Magnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeatures | Housing | | | | |
| Magnification lockYesDimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeatures | Housing material | Composite/ plastic housing | | | |
| Dimensions10.5cm (L) x 3.2cm (D)Weight100gCable length1.8mFeatures | Magnification lock | | | | |
| Cable length 1.8m Features | Dimensions | 10.5cm (L) x 3.2cm (D) | | | |
| Cable length 1.8m Features | Weight | 100g | | | |
| | Cable length | 1.8m | | | |
| Special feature No | Features | | | | |
| Special realistic 10 | 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 | | |
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