AM4115T-RFYW

Zna?ka: Kód produktu: AM4115T-RFYW

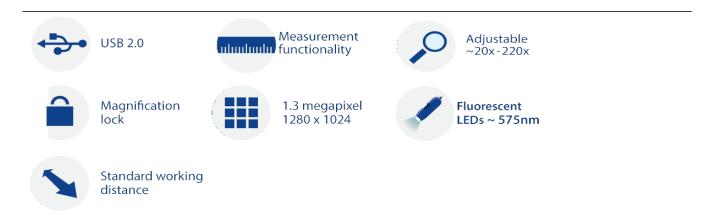


Short Description

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		



