Dino-Lite Europe - Phone: - Email:

# AM4115T-RFYW

**Brand:** 

**Product Code:** AM4115T-RFYW

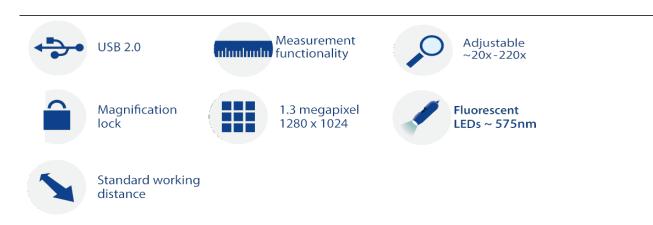


#### **Short Description**

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

#### **Description**

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.



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	Working distance/field of view/depth of field					
MAGNIFICATI	WORKING	FIELD OF	FIELD OF	DEPTH OF		
ON RATE	DISTANCE	VIEW(X)	VIEW(Y)	FIELD		
<b>Listed values</b>	* 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**

## **Specification**

Light/ LED type   575nm excitation + white   Number of LEDs   7 FL + 1 White   LED on/off switchable:   Yes   Infrared filter   No   Diffuser available   No   Emission filter   610nm, LP   Olarizer   No   Fluorophores   TxRed, mCherry   Optics   Magnification   20x ~ 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   DinoCapture 2.0 (Windows), DinoXcope (Mac OS)   Supported image formats (Windows)   PCX, MNG, WBMP, JP2, JPC, PGX   Supported video formats (Windows)   JPEG, PNG   WMV, FLV, SWF (Windows)   JPEG, PNG   MOV (Windows)   JPEG, PNG   JPG, Tip, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX   Supported video formats (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	Lighting				
Number of LEDs LED on/off switchable: LED on/off switchable: Ves Infrared filter No Diffuser available Emission filter Fluorophores Fluorophores Optics Magnification Macro zoom No Working distance Standard Lens type Glass with anti-reflection coating Sensor Sensor type CMOS Resolution I.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 DinoCapture 2.0 (Windows), DinoXcope (Mac OS) Supported image formats (Windows) Supported video formats (Windows) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wire Wireless-ready, requires the WF-10 WiFi streamer (optional) Housing Housing the Mindows Cable length I.8m Features		575nm excitation + white			
Infrared filter No Diffuser available No Emission filter 610nm, LP Polarizer No Fluorophores TxRed, mCherry Optics Magnification 20x ~ 220x Macro zoom No Working distance Standard Lens type Glass with anti-reflection coating Sensor Sensor USB 2.0 Operating system Windows 7, 8, 10 & 11, MacOS 10.9 and up Software DinoCapture 2.0 (Windows), DinoXcope (MacOS) Supported image formats (Windows) Supported video formats (Windows) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wifi Wireless-ready, requires the WF-10 WiFi streamer (optional) Housing Housing MacOs DinoCapture (DinoCapture 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	Number of LEDs	7 FL + 1 White			
Diffuser available No Emission filter 610nm, LP Polarizer No Fluorophores TxRed, mCherry Optics Magnification 20x ~ 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) PCX, MNG, WBMP, JP2, JPC, PGX WMV, FLV, SWF WWV, FLV, SWF WWV, FLV, SWF WMV, FLV, SWF WMV Wiff Wireless-ready, requires the WF-10 WiFi streamer (optional) Housing Housing Magnification lock Yes Dimensions 10.5cm (L) x 3.2cm (D) Weight 100g Cable length 1.8m Features	LED on/off switchable:	Yes			
Emission filter 610nm, LP Polarizer No Fluorophores TxRed, mCherry Optics Magnification 20x ~ 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 Offware DinoCapture 2.0 (Windows), DinoXcope (MacOS) Supported image formats (Windows) Supported video formats (Windows) Supported video formats (Windows) MacOS) Supported video formats (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	Infrared filter	No			
Polarizer No Fluorophores TxRed, mCherry Optics  Magnification 20x ~ 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) PCX, MNG, WBMP, JP2, JPC, PGX WMV, FLV, SWF  WMV, FLV, SWF  MACOS) Imaging standards DirectShow, UVC Wifi Wireless-ready, requires the WF-10 WiFi streamer (optional) Housing Housing material Composite/ plastic housing Magnification lock Ves Dimensions 10.5cm (L) x 3.2cm (D) Weight 100g Cable length 1.8m Features	Diffuser available	No			
Polarizer No Fluorophores TxRed, mCherry Optics  Magnification 20x ~ 220x Macro zoom No Working distance 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) Supported video formats (Windows) Supported video formats (MacOS) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wifi Wireless-ready, requires the WF-10 WiFi streamer (optional) Housing Housing material Composite/ plastic housing Magnification lock Dimensions 10.5cm (L) x 3.2cm (D) Weight 100g Cable length 1.8m Features	Emission filter	610nm, LP			
Optics  Magnification  Macro zoom  Mo Working distance  Lens type  Glass with anti-reflection coating  Sensor  Sensor type  Resolution  Maximum frame rate  Compatibility  Interface  USB 2.0  Operating system  Software  DinoCapture 2.0 (Windows), DinoXcope (Mac OS)  Supported image formats (Windows)  Supported image formats (Windows)  Supported image formats (Windows)  Supported image formats (MacOS)  Supported wideo formats (MacOS)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi  Wireless-ready, requires the WF-10 WiFi streamer (optional)  Housing  Housing  Housing material  Composite/ plastic housing  Magnification lock  Yes  Dimensions  10.5cm (L) x 3.2cm (D)  Weight  100g  Cable length  1.8m  Features	Polarizer				
Optics  Magnification  Macro zoom  Mo Working distance  Lens type  Glass with anti-reflection coating  Sensor  Sensor type  Resolution  Maximum frame rate  Compatibility  Interface  USB 2.0  Operating system  Software  DinoCapture 2.0 (Windows), DinoXcope (Mac OS)  Supported image formats (Windows)  Supported image formats (Windows)  Supported image formats (Windows)  Supported image formats (MacOS)  Supported wideo formats (MacOS)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi  Wireless-ready, requires the WF-10 WiFi streamer (optional)  Housing  Housing  Housing material  Composite/ plastic housing  Magnification lock  Yes  Dimensions  10.5cm (L) x 3.2cm (D)  Weight  100g  Cable length  1.8m  Features	Fluorophores	TxRed, mCherry			
Magnification $20x \sim 220x$ Macro zoomNoWorking distanceStandardLens typeGlass with anti-reflection coatingSensorSensor typeCMOSResolution $1.3$ Megapixel ( $1280x1024$ )Maximum frame rate $30$ fpsCompatibilityUSB $2.0$ Operating systemWindows $7, 8, 10 \& 11, MacOS 10.9$ and upSoftwareDinoCapture $2.0$ (Windows), DinoXcope (MacOS)Supported image formats (Windows)BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXSupported video formats (MacOS)WMV, FLV, SWFWindows)JPEG, PNGMaging standardsDirectShow, UVCWifiWireless-ready, requires the WF-10 WiFi streamer (optional)Housing Housing materialComposite/ plastic housingMagnification lock YesDimensions $10.5$ cm (L) x $3.2$ cm (D)Weight Cable length Features $1.8$ m	•				
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) PCX, MNG, WBMP, JP2, JPC, PGX Supported video formats (Windows) Supported image formats (Windows) Supported video formats (MacOS) Supported video formats (MacOS) Supported video formats (MacOS) UPEG, PNG  MOV 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	-	$20x \sim 220x$			
Working distance 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) Resolution BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX WMV, FLV, SWF Windows) Supported video formats (Windows) Supported video formats (MacOS) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wifi Wireless-ready, requires the WF-10 WiFi streamer (optional) Housing Housing Housing material Composite/ plastic housing Magnification lock Yes Dimensions 10.5cm (L) x 3.2cm (D) Weight 100g Cable length 1.8m Features		No			
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) Reflection of Supported video formats (Windows) Supported image formats (Windows) Supported video formats (MacOS) Supported video formats (MacOS) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wifi Wireless-ready, requires the WF-10 WiFi streamer (optional) Housing Housing Housing material Composite/ plastic housing Magnification lock Yes Dimensions 10.5cm (L) x 3.2cm (D) Weight 100g Cable length 1.8m Features		Standard			
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) PCX, MNG, WBMP, JP2, JPC, PGX Supported video formats (Windows) Supported image formats (Windows) Supported image formats (MacOS) Supported video formats (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		Glass with anti-reflection coating			
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)  Supported video formats (Windows)  Supported image formats (Windows)  Supported video formats (MacOS)  Supported video formats (MacOS)  Imaging standards DirectShow, UVC  Wifi Wireless-ready, requires the WF-10 WiFi streamer (optional)  Housing  Housing Magnification lock Yes  Dimensions 10.5cm (L) x 3.2cm (D)  Weight 100g  Cable length 1.8m  Features					
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)  Supported video formats (Windows)  Supported image formats (Windows)  Supported image formats (MacOS)  Supported video formats (MacOS)  Imaging standards DirectShow, UVC  Wifi Wireless-ready, requires the WF-10 WiFi streamer (optional)  Housing  Housing Magnification lock Yes  Dimensions 10.5cm (L) x 3.2cm (D)  Weight 100g  Cable length 1.8m  Features	Sensor type	CMOS			
Compatibility Interface USB 2.0 Operating system Windows 7, 8, 10 & 11, MacOS 10.9 and up Software DinoCapture 2.0 (Windows), DinoXcope (MacOS) Supported image formats (Windows) PCX, MNG, WBMP, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX Supported video formats (Windows) Supported image formats (MacOS) Supported video formats (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	Resolution	1.3 Megapixel (1280x1024)			
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Operating system  Software  DinoCapture 2.0 (Windows), DinoXcope (Mac OS)  Supported image formats (Windows)  Supported video formats (Windows)  Supported image formats (Windows)  Supported image formats (Windows)  Supported video formats (MacOS)  Supported video formats (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  Features	1				
Software  DinoCapture 2.0 (Windows), DinoXcope (Mac OS)  Supported image formats (Windows)  Supported video formats (Windows)  Supported image formats (Windows)  Supported image formats (MacOS)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi  Wireless-ready, requires the WF-10 WiFi streamer (optional)  Housing  Housing material  Magnification lock  Yes  Dimensions  10.5cm (L) x 3.2cm (D)  Weight  100g  Cable length  Features	Interface	USB 2.0			
Supported image formats (Windows)  Supported video formats (Windows)  Supported image formats (Windows)  Supported image formats (Windows)  Supported image formats (MacOS)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi  Wireless-ready, requires the WF-10 WiFi streamer (optional)  Housing Housing material  Composite/ plastic housing  Magnification lock  Dimensions  10.5cm (L) x 3.2cm (D)  Weight  Cable length  Features	Operating system	Windows 7, 8, 10 & 11, MacOS 10.9 and up			
Supported image formats (Windows) Supported video formats (Windows) Supported image formats (Windows) Supported image formats (MacOS) Supported video formats (MacOS) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wifi Wireless-ready, requires the WF-10 WiFi streamer (optional) Housing Housing material Composite/ plastic housing Magnification lock Dimensions 10.5cm (L) x 3.2cm (D) Weight Cable length Features	Software				
Supported video formats (Windows)  Supported image formats (MacOS)  Supported video formats (MacOS)  Imaging standards  Wifi  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					
Supported image formats (MacOS) Supported video formats (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	Supported video formats				
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(MacOS) Imaging standards DirectShow, UVC Wifi Wireless-ready, requires the WF-10 WiFi streamer (optional) Housing Housing material Composite/ plastic housing Magnification lock Ves Dimensions 10.5cm (L) x 3.2cm (D) Weight 100g Cable length 1.8m Features		3120,1110			
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		MOV			
(optional)  Housing  Housing material  Magnification lock  Dimensions  10.5cm (L) x 3.2cm (D)  Weight  Cable length  Features	Imaging standards	DirectShow, UVC			
Housing material  Magnification lock  Dimensions  10.5cm (L) x 3.2cm (D)  Weight  Cable length  Features  Composite/ plastic housing  Yes  10.5cm (L) x 3.2cm (D)  100g	Wifi				
Magnification lock  Dimensions  10.5cm (L) x 3.2cm (D)  Weight  100g  Cable length  Features	Housing				
Dimensions 10.5cm (L) x 3.2cm (D) Weight 100g Cable length 1.8m Features	Housing material	Composite/ plastic housing			
Dimensions 10.5cm (L) x 3.2cm (D)  Weight 100g  Cable length 1.8m  Features					
Weight 100g Cable length 1.8m Features		10.5cm (L) x 3.2cm (D)			
Cable length 1.8m Features	Weight				
Features		1.8m			
Special feature No					
President   100	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**





