## AM4115T-DFRW

Brand: Product Code: AM4115T-DFRW

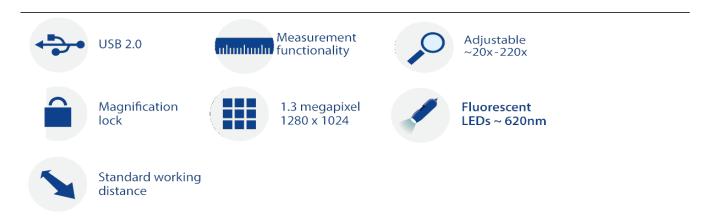


**Short Description** 

1.3 Megapixel resolution620nm excitation and 650nm emission filter20-220x magnificationTo observe Cy5

## Description

The Dino-Lite AM4115T-DFRW digital microscope is optimized for research and viewing fluorescent objects by using 620nm excitation LEDs. It has a long-pass type 650nm emission filter that is designed to observe a wide range of fluorophores with applications in developmental biology, pathology, and anatomy.



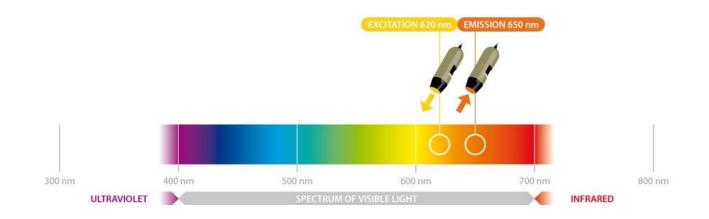
The AM4115T-DFRW has the capability of switching the light source from the 620nm

excitation LEDs to the white LED, which is convenient for locating the object and obtaining an easy focus. All of these factors make the AM4115T-DFRW the smallest fluorescence microscope in the world, capable of many applications and visualizing a vast range of fluorescence.

## » Special models available on request.

-	ce/field of view/de working distance * Without front cap	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD <b>Unit = mm</b>
20	60.2	19.5 13.0	15.6 10.4	2.5
30 40	33.5 20.9	9.8	7.8	1.8 1.5
40 50	13.9	9.8 7.8	6.3	1.3
50 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			
Lighting			
Light/ LED type	620nm excitation + white		
Number of LEDs	7  FL + 1  White		
LED on/off switchable:	Yes		
Infrared filter	No		
Diffuser available	No		
Emission filter	650nm, LP		
Polarizer	No		
Fluorophores	Cy5		
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 OS)		
Supported image formats	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA,		
(Windows)	PCX, MNG, WBMP, JP2, JPC, PGX		
Supported video formats (Windows)	WMV, FLV, SWF		
Supported image formats (MacOS)	JPEG, PNG		
Supported video formats	MOV		

(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	
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