## AM4115T-GRFBY

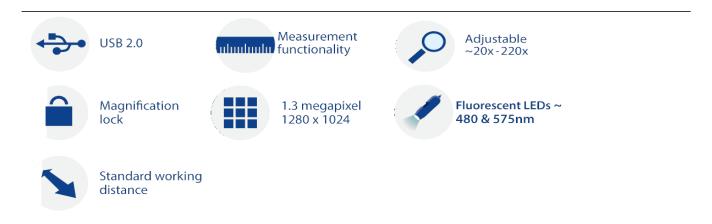
**Brand: Product Code:** AM4115T-GRFBY



Short Description 1.3 Megapixel resolution 465nm excitation + 580NM excitation 20-220x Magnification To observe GFP/FITC & TxRed/mCherry

## Description

The Dino-Lite AM4115T-GRFBY digital microscope is optimized for research and viewing fluorescent objects by using 465nm and 580nm LEDs. It has a 510nm and 610nm emission filter that is designed to observe a wide range fluorophores with applications in developmental biology, pathology, and anatomy.



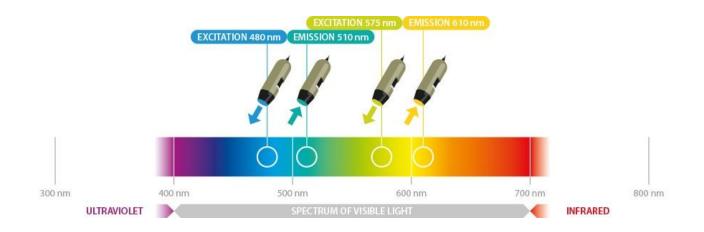
The AM4115T-GRFBY has the capability of switching the light source from the 465nm

+ 580NM excitation, which is convenient for dual color stained fluorescence. All of these factors make the AM4115T-GRFBY 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	(0, 2)	10.5	15 (	0.5		
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	
Lighting	
Light/ LED type	465nm excitation + 580NM excitation
Number of LEDs	4 FL + 4 FL
LED on/off switchable:	Yes
Infrared filter	No
Diffuser available	No
Emission filter	510nm & 610nm
Polarizer	No
Fluorophores	GFP/FITC & TxRed/mCherry
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	€800,00 - €1000,00			