Dino-Lite Europe - Phone: - Email:

AM4115T-GFBW

Brand:

Product Code: AM4115T-GFBW

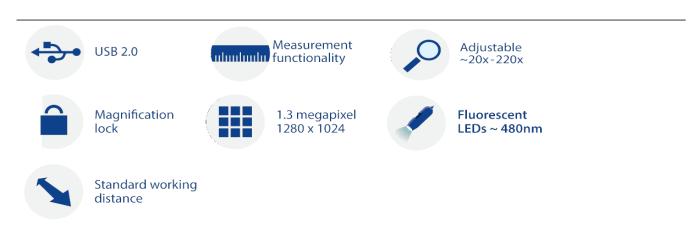


Short Description

1.3 Megapixel resolution480nm excitation and 510nm emission filter20-220x magnificationTo observe GFP, FITC

Description

The Dino-Lite AM4115T-GFBW digital microscope is optimized for research and viewing fluorescent objects by using 480nm LEDs. It has a 510nm emission filter that is designed to observe including but not limited to GFP (green fluorescent protein).



Compared to the traditional fluorescence microscope's band-pass type of emission filters, the Dino-Lite's long-pass type emission filter provides visibility and sensitivity over a

larger range of the fluorescence wavelength. Green fluorescent objects pop out under the microscope and you can clearly see its green glow. The AM4115T-GFBW has the capability of switching the light source from the 480nm excitation LED's to the white LED which is convenient for locating the object and obtaining an easy focus.

» 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		
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

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Lighting	
Light/ LED type	480nm excitation + white
Number of LEDs	7 FL + 1 White
LED on/off switchable:	Yes
Infrared filter	No
Diffuser available	No
Emission filter	510nm, LP
Polarizer	No
Fluorophores	GFP, FITC
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	WMV, FLV, SWF
(Windows)	
Supported image formats	JPEG, PNG
(MacOS)	
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

Product Gallery

