## AM4515T4-GFBW

**Brand: Product Code:** AM4515T4-GFBW

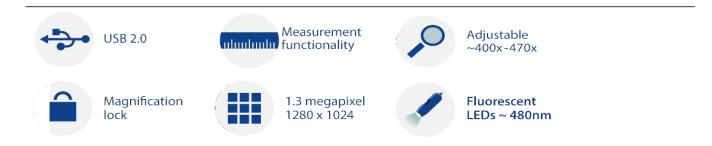


**Short Description** 

1.3 Megapixel resolution480nm excitation and 510nm emission filter400x ~ 470x magnificationTo observe GFP, FITC

## Description

The Dino-Lite AM4515T4-GFBW digital microscope is optimized for research and viewing fluorescent objects by using 480nm excitation LEDs. It has a long-pass type 510nm emission filter that is designed to observe a wide range fluorophores with applications in developmental biology, pathology, and anatomy. With its high magnification of 400x ~ 470x, it reveals even the smallest details on all kinds of objects.





The AM4515T4-GFBW has the capability of switching the light source from the 480nm excitation LEDs to the white LED, which is convenient for locating the object and obtaining an easy focus. All of these factors make the AM4515T4-GFBW 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					
400	5.1	0.971	0.713	0.0261	
410	6.0	0.951	0.697	-	
420	7.3	0.926	0.680	-	
430	8.0	0.905	0.664	-	
440	8.8	0.884	0.648	-	
450	10.0	0.867	0.636	-	
460	11.3	0.847	0.621	-	
470	11.8	0.828	0.608	0.0289	

## **Special Light**



Specification

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	400x ~ 470x			
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)	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX			
Supported video formats (Windows)	WMV, FLV, SWF			
Supported image formats (MacOS)	JPEG, PNG			
Supported video formats (MacOS)	MOV			
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	105g			
Cable length	1.8m			
Features				
Special feature	Automatic Magnification Reading (AMR)			

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