

# AM4117MT-G2FBW



**Brand:** Dino-Lite

**Product Code:** AM4117MT-G2FBW

## Short Description

Green fluorescence

High sensitivity sensor

Adjustable LED intensity

Robust metallic housing

Interchangeable caps

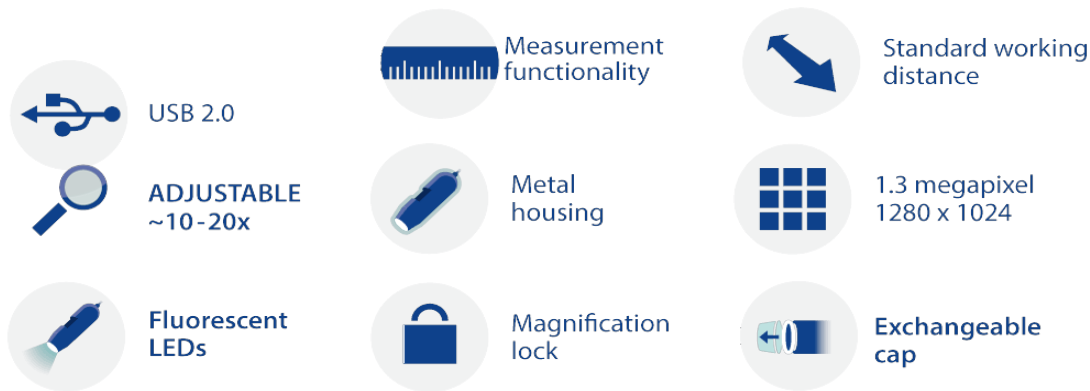
## Description

With 465nm excitation light and a 510-545nm emission bandpass filter range, AM4117MT-G2FBW is the ideal solution for the selective isolation and observation of samples with green fluorescence.

The interchangeable caps provide adaptability to numerous applications with alternative lighting or object interface. The interchangeable front caps are designed to be used with Dino-Lite Edge and EdgePLUS series models. The caps provide additional versatility to Dino-Lite digital microscope applications.

*Note:*The included caps may vary per model. Please contact your local distributor or reseller for purchasing additional caps.

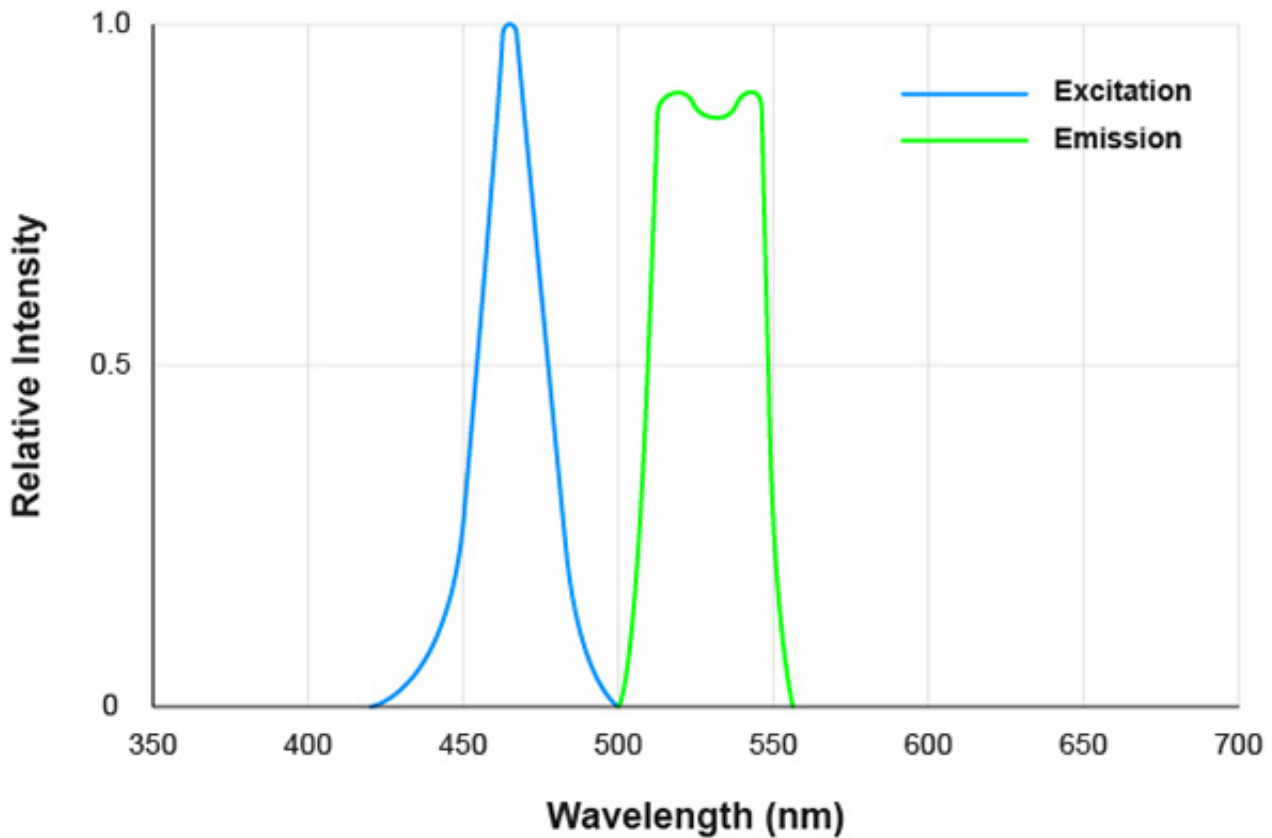
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### Working distance/field of view/depth of field

MAGNIFICATION RATE	WORKING DISTANCE *	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
Listed values may differ slightly	* Without front cap			Unit = mm
20	59.5	19.5	14.7	5.36
30	32.9	13.0	9.8	2.58
40	20.2	9.8	7.3	1.56
50	13.2	7.8	5.9	1.07
60	9	6.5	4.9	0.79
70	6.4	5.6	4.2	0.62
80	4.8	4.9	3.7	0.5
90	4	4.3	3.3	0.42
100	3.5	3.9	2.9	0.36
110	3.3	3.6	2.7	0.31
120	3.5	3.3	2.4	0.27
130	3.8	3.0	2.3	0.24
140	4.3	2.8	2.1	0.22
150	4.9	2.6	2.0	0.2
160	5.6	2.4	1.8	0.18
170	6.4	2.3	1.7	0.17
180	7.3	2.2	1.6	0.15
190	8.2	2.1	1.5	0.14
200	9.2	2.0	1.5	0.13
210	10.2	1.9	1.4	0.13
220	11.3	1.8	1.3	0.12

### Special light



## Specification

Lighting	
Light/ LED type	465nm excitation + white
Number of LEDs	7 Blue + 1 White
LED on/off switchable:	Yes
Infrared filter	No
Diffuser available	No
Emission filter	510-545nm emission bandpass filter range
Polarizer	No
Fluorophores	GFP, FITC
Optics	
Magnification	10-220x
Macro zoom	No
Working distance	Standard
Sensor	
Sensor type	CMOS
Resolution	1.3M pixels (1280x960)
Maximum frame rate	30fps in 1.3MP, MJPEG 30fps in VGA, MJPEG
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
<b>Housing</b>	
Housing material	Metal Housing
Magnification lock	Yes
Dimensions	10.5cm (H) x 3.3cm (D)
Weight	90g
<b>Features</b>	
Special feature	No
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
ESD safe	No
<b>Information</b>	
Package contents	Microscope, carry pouch, software CD, calibration target, user manual
Warranty information	2 years European warranty
Regulatory approval:	CE, FCC, ROHS, UKCA
Price range	€1000,00 - €1200,00