

AM4517MT-G2FBW



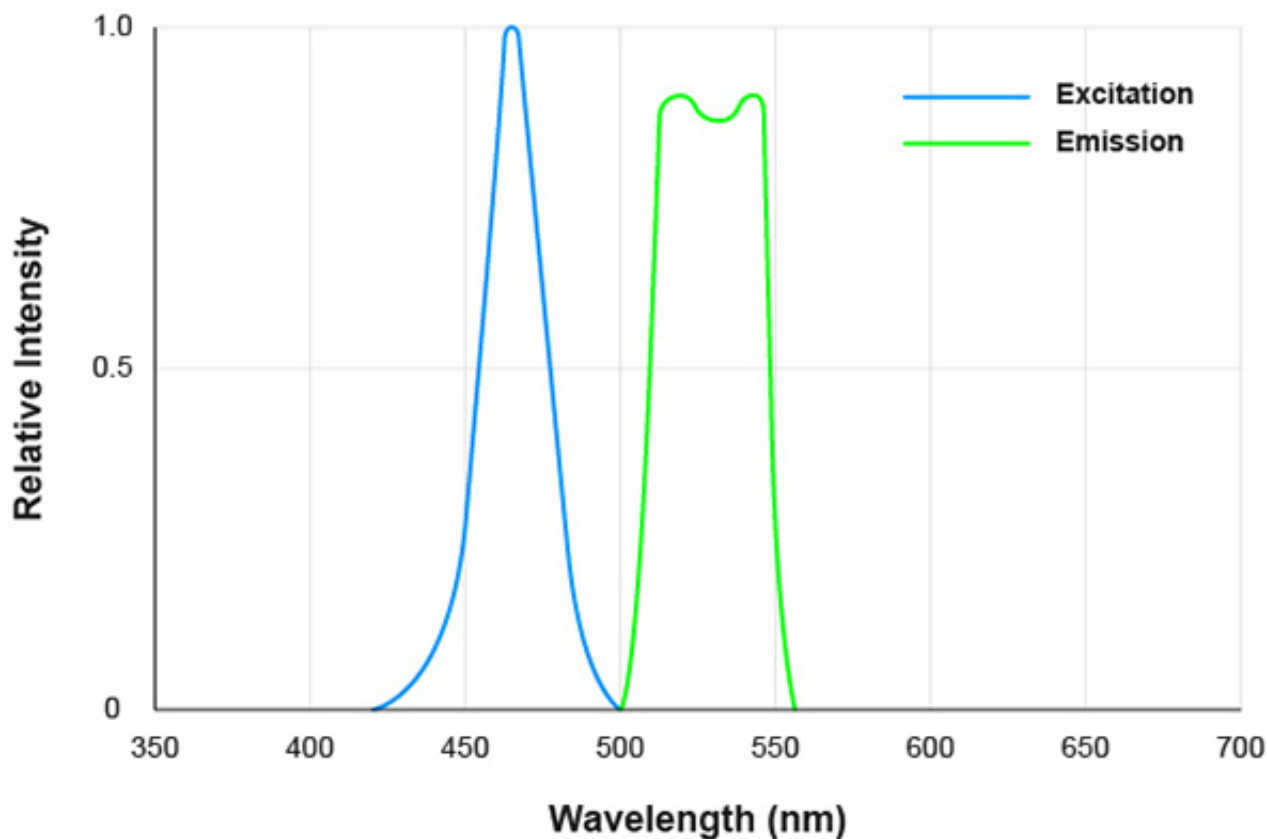
Product Code: AM4517MT-G2FBW

Short Description

1.3 Megapixel
Green fluorescence
High sensitivity sensor
Adjustable LED intensity
Automatic Magnification Readout (AMR)

Description

Detect green fluorescence emissions with the AM4517MT-G2FBW high-sensitivity 20x ~ 220x digital microscope. It features 465 nm excitation lights and a 510 nm ~ 545 nm emission filter, suitable for capturing emissions from fluorescent probes such as GFP, FITC, and YFP. This model features AMR to ease measurements.



Adjustable
~20x-220x



USB 2.0



Measurement
functionality



Metal
housing



Magnification
lock



Fluorescent
LEDs



Automatic
Magnification
Reading (AMR)



1,3 Megapixels
1280 x 960



Long working
distance

The main features of the AM4517MT-G2FBW are:

- 1.3 Megapixel
- High Sensitivity Sensor
- Green Fluorescence Detection
- Switchable White Light
- Automatic Magnification Readout (AMR)
- Robust Metal Housing

Optical Data Table

MAGNIFICATION RATE	WORKING DISTANCE *	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
Listed values	* Without front			Unit = mm

**may differ
slightly**

cap

20	59.8	19.53	14.65	7.05
30	33.1	13.02	9.77	3.36
40	20.5	9.77	7.32	2.02
50	13.4	7.81	5.86	1.38
60	9.2	6.51	4.88	1.01
70	6.7	5.58	4.19	0.79
80	5.1	4.88	3.66	0.64
90	4.1	4.34	3.26	0.53
100	3.7	3.91	2.93	0.45
110	3.6	3.55	2.66	0.39
120	3.7	3.26	2.44	0.34
130	4.1	3.01	2.25	0.3
140	4.5	2.79	2.09	0.27
150	5.2	2.6	1.95	0.25
160	5.9	2.44	1.83	0.22
170	6.7	2.3	1.72	0.21
180	7.5	2.17	1.63	0.19
190	8.5	2.06	1.54	0.18
200	9.4	1.95	1.46	0.16
210	10.5	1.86	1.4	0.15
220	11.5	1.78	1.33	0.14

Specification

Lighting	
Light/ LED type	465 nm excitation
Number of LEDs	7 FL + 1 White
LED on/off switchable:	Yes
Infrared filter	No
Diffuser available	No
Emission filter	510 nm ~ 545 nm
Polarizer	No
Fluorophores	GFP, FITC, and YFP
Optics	
Magnification	20x ~ 220x
Working distance	Standard
Lens type	Glass with anti-reflection coating
Sensor	
Sensor type	CMOS
Resolution	1.3 Megapixel (1280 x 960)

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
Housing	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	104 mm (H) x 32 mm (D)
Weight	92g
Cable length	1.8m
Features	
Special feature	Automatic Magnification Readout (AMR)
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
Information	
Package contents	Microscope, carry pouch, calibration target, user manual, N3C-C (Close Cap) N3C-EB (Extended Open Black Cap) N3C-LB (Black Long Cap) N3C-OB (Black Open Cap)
Warranty information	2 years European warranty
Regulatory approval	CE, FCC, ROHS
Price range	€1200,00 - €1400,00