

AM4517MT-G2FBW



Brand:

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.



1,3 Megapixels
1280 x 1024



8 White LEDs
switchable



Adjustable
~20x-220x



USB 2.0



Measurement
functionality



Metal
housing



Magnification
lock



Fluorescent
LEDs

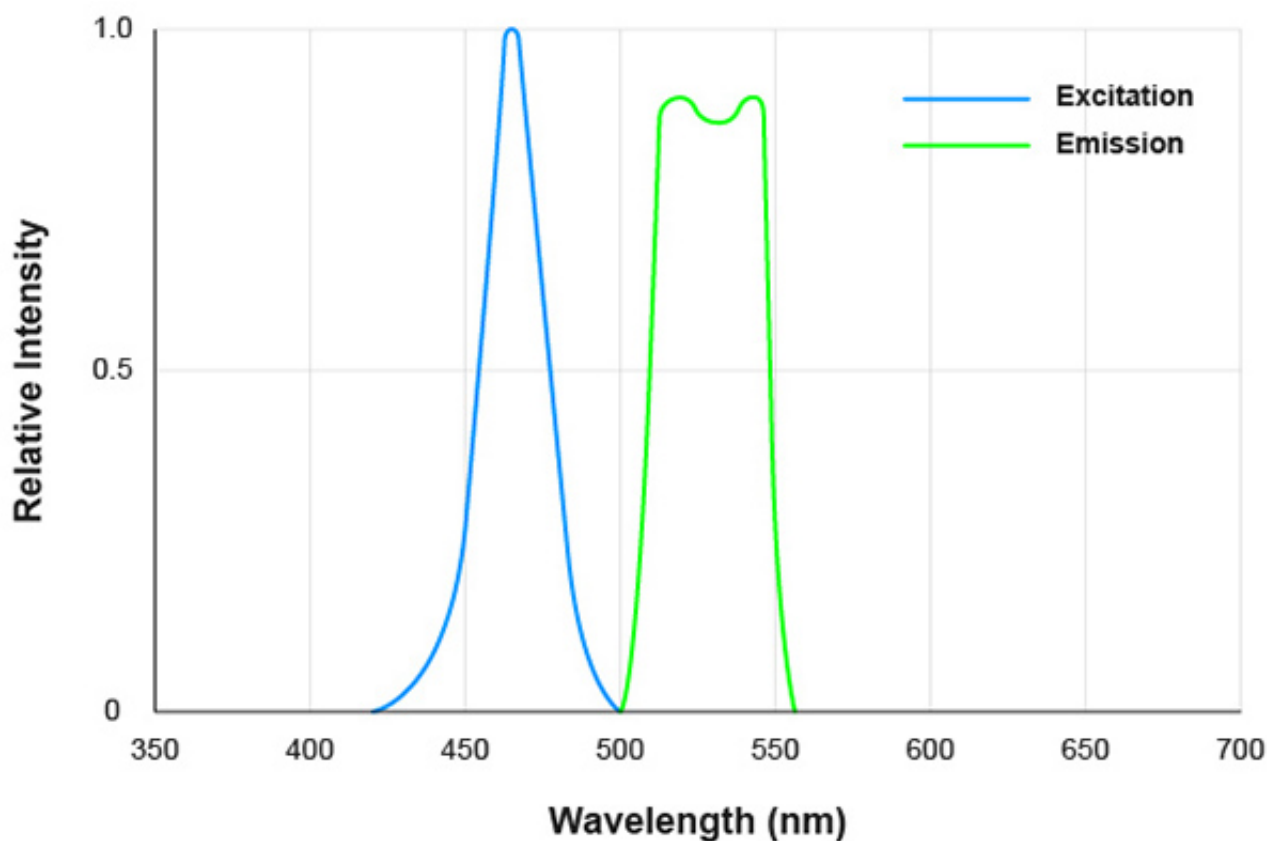


Automatic
Magnification
Reading (AMR)

Green Fluorescence Detection

The high-intensity 465 nm (?peak) excitation lights and the 510 nm ~ 545 nm band-pass emission filter enable the detection of green fluorescence probes.

Excitation Light and Emission Filter Spectra



Optical Data Table

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	59.8	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