

AM4517MT-GRFBY



Brand:

Product Code: AM4517MT-GRFBY

Short Description

1.3 Megapixel

Green and Red fluorescence

High sensitivity sensor

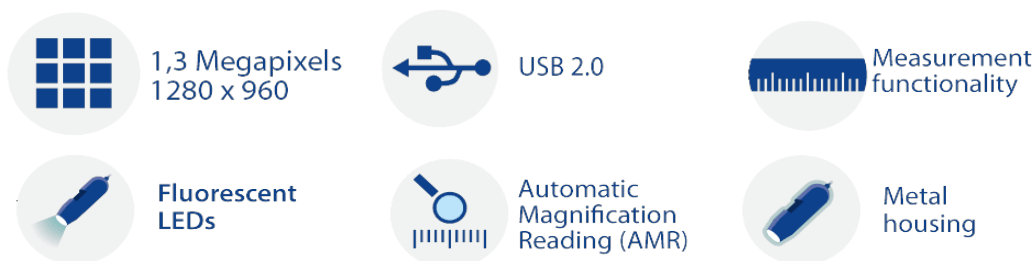
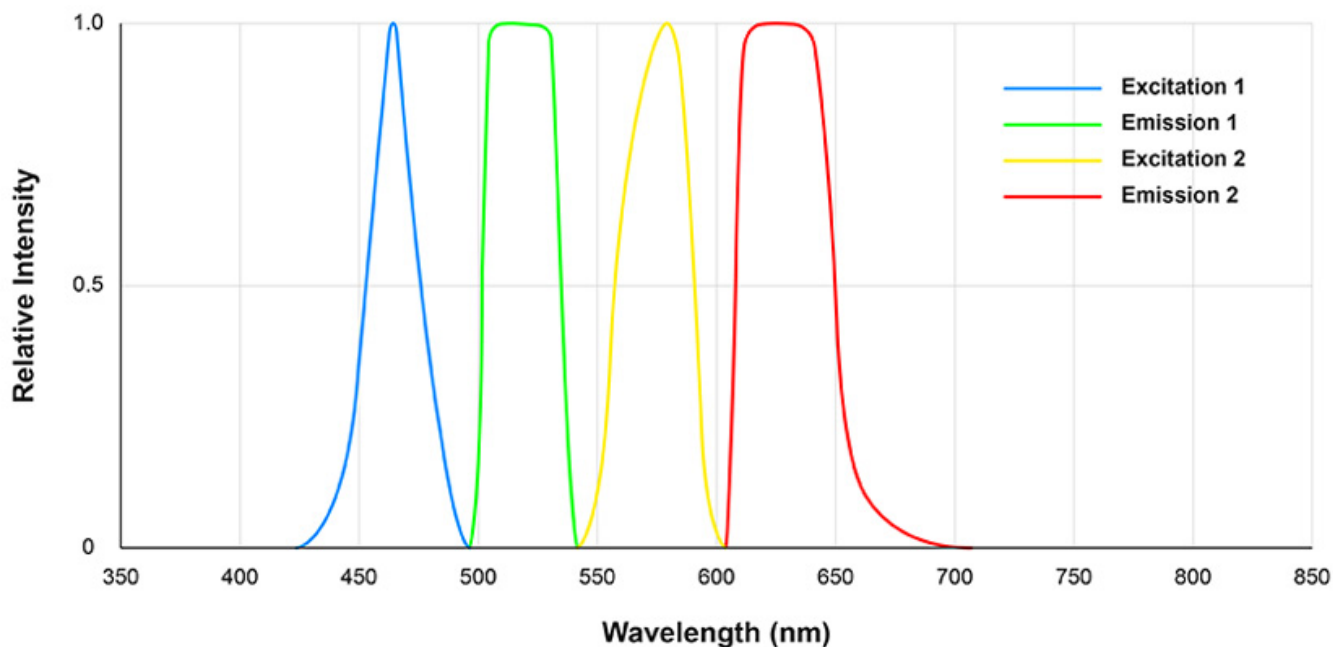
Dual-Band Emission Filter

Automatic Magnification Readout (AMR)

Switchable Excitation Lights

Description

The AM4517MT-GRFBY is a high-sensitivity digital microscope with a 20x ~ 220x magnification range, designed for detecting green and red fluorescence. Equipped with both 465 nm and 580 nm excitation lights, it's ideal for visualizing samples labeled with green and red fluorophores, such as GFP and RFP. Featuring AMR, this microscope provides measurement convenience.



The main features of the AM4517MT-GRFBY are:

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

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
20x	60.3	19.53	14.65	6.34

30x	33.6	13.02	9.77	3.03
40x	20.9	9.77	7.33	1.82
50x	13.9	7.81	5.86	1.24
60x	9.7	6.51	4.88	0.91
70x	7.1	5.58	4.19	0.71
80x	5.5	4.88	3.66	0.57
90x	4.6	4.34	3.26	0.47
100x	4.1	3.91	2.93	0.40
110x	4.0	3.55	2.66	0.35
120x	4.1	3.26	2.44	0.31
130x	4.5	3.01	2.25	0.27
140x	5.0	2.79	2.09	0.24
150x	5.6	2.60	1.95	0.22
160x	6.3	2.44	1.83	0.20
170x	7.1	2.30	1.72	0.18
180x	8.0	2.17	1.63	0.17
190x	8.9	2.06	1.54	0.16
200x	9.9	1.95	1.47	0.15
210x	10.9	1.86	1.40	0.14
220x	12.0	1.78	1.33	0.13