

AM4517MT-YFGW



Brand:

Product Code: AM4517MT-YFGW

Short Description

1.3 Megapixel Edge sensor

High Sensitivity Sensor

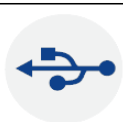
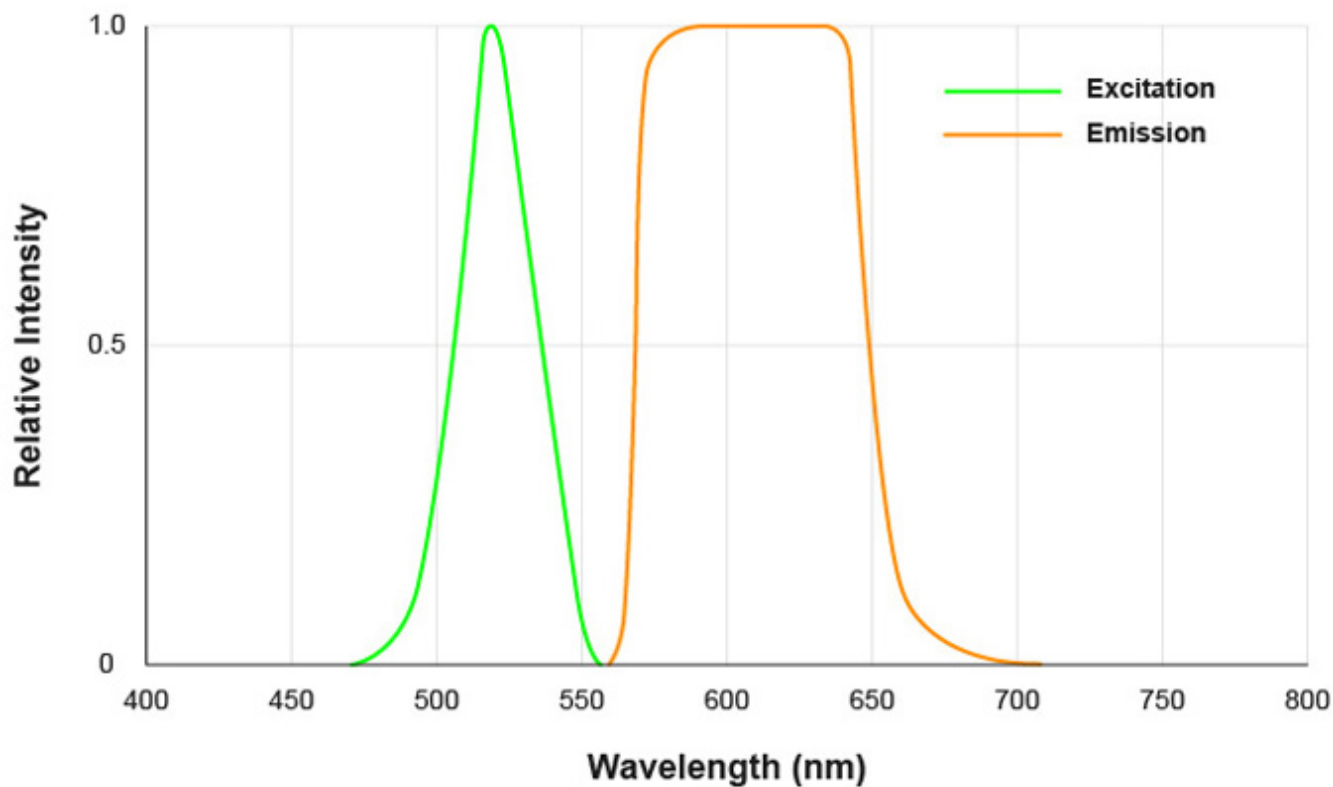
Green-Yellow/Red Fluorescence Detection

Automatic Magnification Readout (AMR)

Robust Metal Housing

Description

Detect green-yellow to red fluorescence emissions with the AM4517MT-YFGW high-sensitivity 20x ~ 220x digital microscope. It offers 520 nm excitation lights and a 570 nm ~ 650 nm emission filter, enabling visualization of fluorescent probes such as EYFP, mCherry, and Alexa Fluor 594. This model features AMR to ease measurements.



USB 2.0



Magnification
lock



Long working
distance



Exchangeable
cap



Automatic
Magnification
Reading (AMR)



Fluorescent
LEDs

The main features of the AM4517MT-YFGW are:

- 1.3 Megapixel
- High Sensitivity Sensor
- Green-Yellow/Red 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 may differ slightly	* Without front cap			Unit = mm

20x	59.8	19.53	14.65	7.05
30x	33.1	13.02	9.77	3.36
40x	20.5	9.77	7.32	2.02
50x	13.4	7.81	5.86	1.38
60x	9.2	6.51	4.88	1.01
70x	6.7	5.58	4.19	0.79
80x	5.1	4.88	3.66	0.64
90x	4.1	4.34	3.26	0.53
100x	3.7	3.91	2.93	0.45
110x	3.6	3.55	2.66	0.39
120x	3.7	3.26	2.44	0.34
130x	4.1	3.01	2.25	0.30
140x	4.5	2.79	2.09	0.27
150x	5.2	2.60	1.95	0.25
160x	5.9	2.44	1.83	0.22
170x	6.7	2.30	1.72	0.21
180x	7.5	2.17	1.63	0.19
190x	8.5	2.06	1.54	0.18
200x	9.4	1.95	1.46	0.16
210x	10.5	1.86	1.40	0.15
220x	11.5	1.78	1.33	0.14

Specification

Lighting	
Light/ LED type	520 nm excitation + white
Number of LEDs	7 FL + 1 White
LED on/off switchable:	Yes
Infrared filter	No
Diffuser available	No
Emission filter	570 nm ~ 650 nm
Polarizer	No
Fluorophores	EYFP, mCherry, and Alexa Fluor 594
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	90g
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