

AM4517MT-YFGW

Productcode: AM4517MT-YFGW



Korte omschrijving

1.3 Megapixel Edge sensor

High Sensitivity Sensor

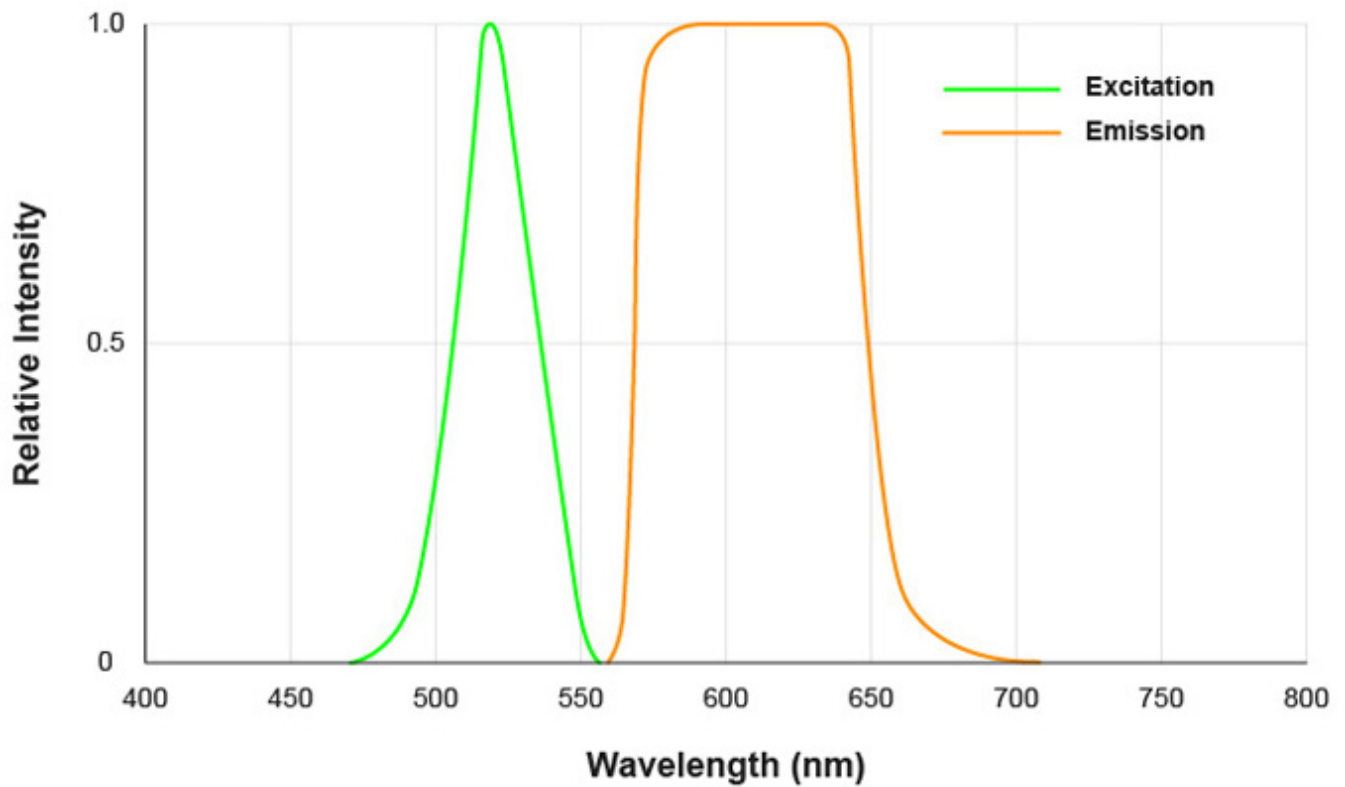
Green-Yellow/Red Fluorescence Detection

Automatic Magnification Readout (AMR)

Robust Metal Housing

Omschrijving

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

Specificatie

Verlichting	
Licht / LED-type	520 nm excitation + white
Aantal leds	7 FL + 1 White
LED aan / uit schakelbaar:	Yes
Infrarood filter	No
Diffusor beschikbaar	No
Emissiefilter	570 nm ~ 650 nm
Polarisator	No
Fluorophores	EYFP, mCherry, and Alexa Fluor 594
Optiek	
Magnification	20x ~ 220x
Werkafstand	Standard
Type lens	Glass with anti-reflection coating
Sensor	
Sensortype	CMOS
Resolutie	1.3 Megapixel (1280 x 960)
Maximale framesnelheid	30 fps
Compatibiliteit	
Interface	USB 2.0

Besturingssysteem	Windows 7, 8, 10 & 11, MacOS 10.9 and up
Software	DinoCapture 2.0 (Windows), DinoXcope (Mac OS)
Ondersteunde beeldformaten (Windows)	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX
Ondersteunde videoformaten (Windows)	WMV, FLV, SWF
Ondersteunde beeldformaten (MacOS)	JPEG, PNG
Ondersteunde videoformaten (MacOS)	MOV
Behuizing	
Materiaal van de behuizing	Metal housing
Vergrotingsslot	Yes
Afmetingen	104 mm (H) x 32 mm (D)
Gewicht	90g
Kabellengte	1.8m
Kenmerken	
Bijzonderheid	Automatic Magnification Readout (AMR)
Meting	Yes
Kalibratie	Yes
Microtouch-sensor	Yes
Informatie	
Inhoud van de verpakking	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)
Garantie-informatie	2 years European warranty
Regelgevende goedkeuring	CE, FCC, ROHS
Prijsklasse	€1200,00 - €1400,00