

AM4517MT-GRFBY



Merk:

Productcode: AM4517MT-GRFBY

Korte omschrijving

1.3 Megapixel

Green and Red fluorescence

High sensitivity sensor

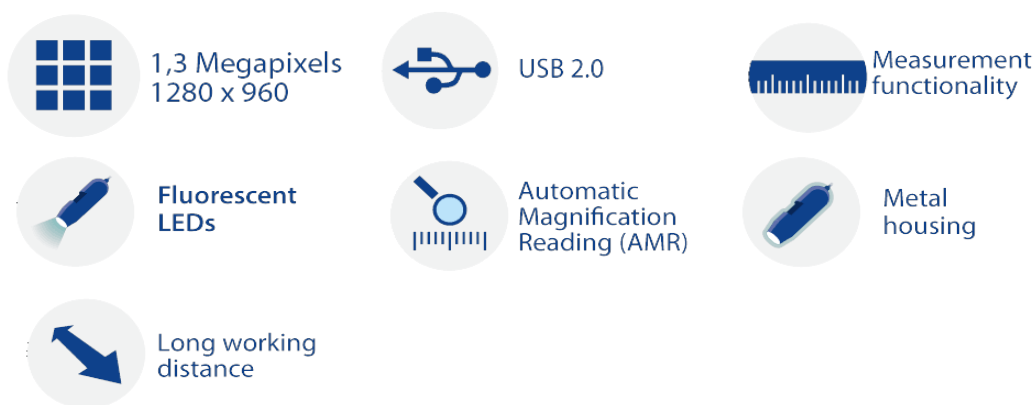
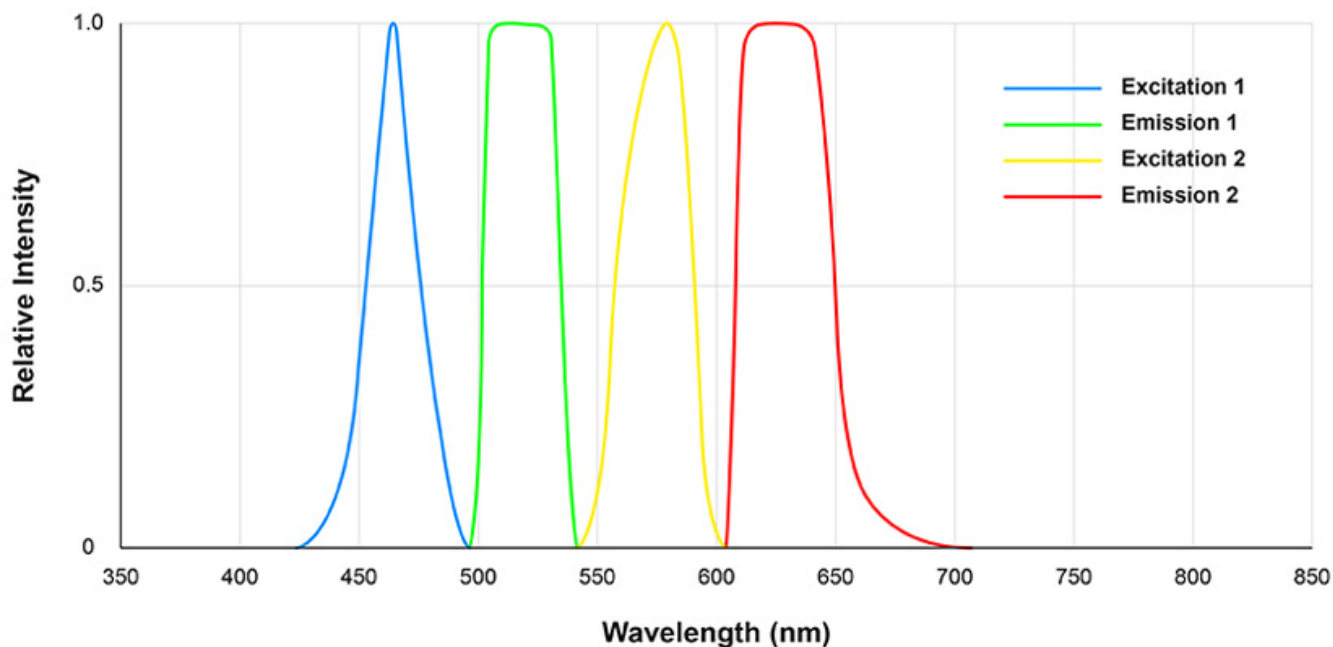
Dual-Band Emission Filter

Automatic Magnification Readout (AMR)

Switchable Excitation Lights

Omschrijving

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	* Without front cap			Unit = mm

slightly

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

Specificatie

Verlichting	
Licht / LED-type	465 nm and 580 nm excitation
Aantal leds	4 465 nm + 4 580 nm
LED aan / uit schakelbaar:	Yes
Infrarood filter	No
Diffusor beschikbaar	No
Emissiefilter	green (505 nm ~ 535 nm) and red (610 nm ~ 650 nm) fluorescence
Polarisator	No
Fluorophores	GFP and RFP
Optiek	
Magnification	20x ~ 220x
Werkafstand	Standard
Type lens	Glass with anti-reflection coating
Sensor	
Sensortype	CMOS
Resolutie	1.3 Megapixel (1280x960)

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	92g
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
Regulatory approval:	CE, FCC, ROHS
Prijsklasse	€1200,00 - €1400,00