

AM4917MT-BFCW



Merk:

Productcode: AM4917MT-BFCW

Korte omschrijving

1.3 Megapixel Edge sensor

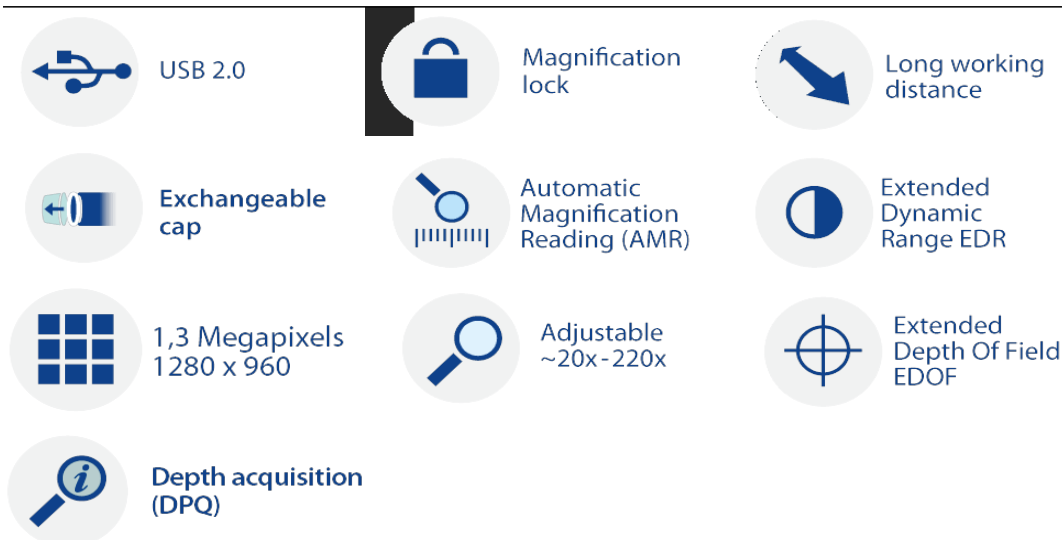
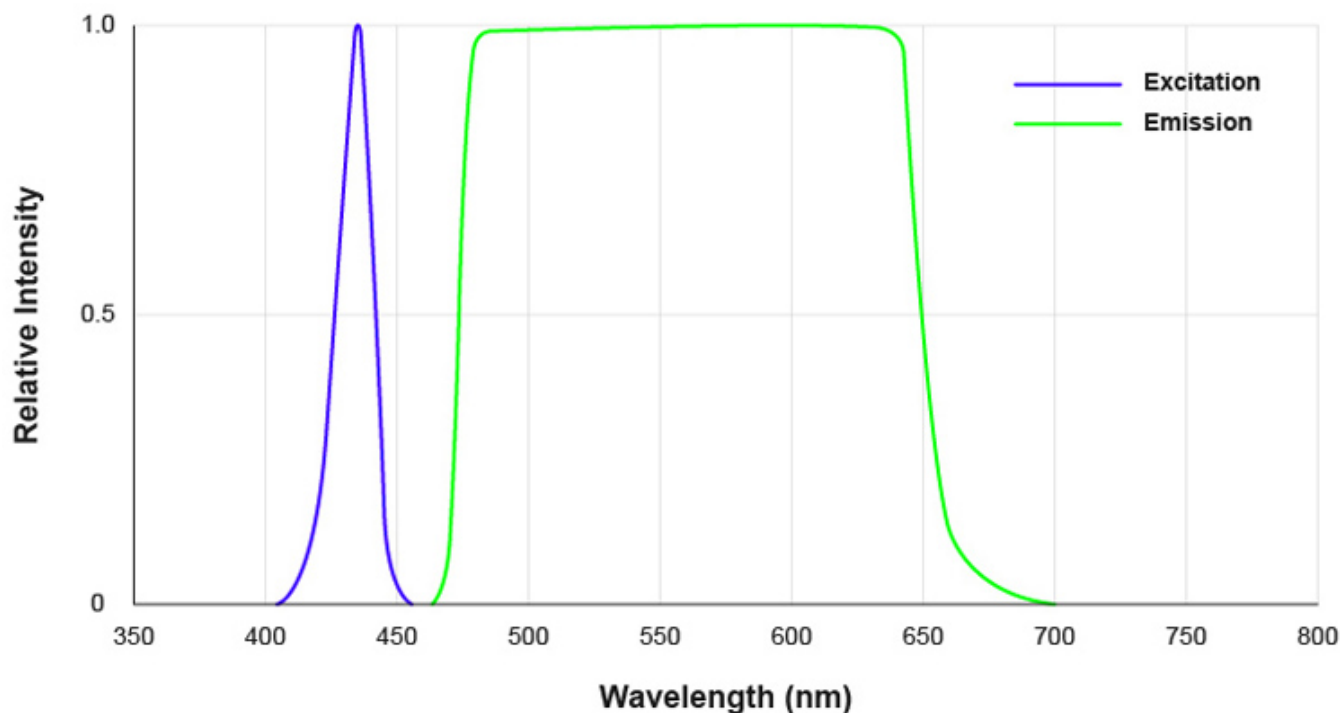
Wide-Ranging Fluorescence Detection

Automatic Magnification Readout (AMR)

Depth Acquisition (DPQ)

Omschrijving

The AM4917MT-BFCW is a fluorescence microscope equipped with extended depth of field technology, enhancing the clarity of the sample visualization. It offers 435 nm excitation lights and a 475 nm ~ 650 nm emission filter, ideal for detecting a variety of fluorescence emissions, such as eCFP, Alexa Fluor 430, and Fura Red. AM4917MT-BFCW comes with AMR, EDOF, EDR, Auto and Manual Refocusing, and DPQ.



The main features of the AM4917MT-BFCW are:

- 1.3 Megapixel
- High Sensitivity Sensor
- Wide-Ranging Fluorescence Detection
- Switchable White Light
- Depth Acquisition (DPQ)
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Auto and Manual Refocusing
- 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	61.4	19.53	14.65	6.35
30x	34.6	13.02	9.77	3.03
40x	22.0	9.77	7.33	1.82
50x	14.9	7.81	5.86	1.24
60x	10.7	6.51	4.88	0.91
70x	8.1	5.58	4.19	0.72
80x	6.5	4.88	3.66	0.60
90x	5.6	4.34	3.26	0.51
100x	5.2	3.91	2.93	0.44
110x	5.0	3.55	2.66	0.39
120x	5.2	3.26	2.44	0.34
130x	5.5	3.01	2.25	0.31
140x	6.0	2.79	2.09	0.28
150x	6.6	2.60	1.95	0.26
160x	7.4	2.44	1.83	0.24
170x	8.2	2.30	1.72	0.22
180x	9.0	2.17	1.63	0.21
190x	10.0	2.06	1.54	0.19
200x	10.9	1.95	1.47	0.18
210x	11.9	1.86	1.40	0.17
220x	13.0	1.78	1.33	0.16

Specificatie

Verlichting	
Licht / LED-type	435 nm excitation + white
Aantal leds	7 FL + 1 White
LED aan / uit schakelbaar:	Yes
Infrarood filter	No
Diffusor beschikbaar	No
Emissiefilter	475 nm ~ 650 nm
Polarisator	No
Fluorophores	eCFP, Alexa Fluor 430, and Fura Red
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	95g
Kabellengte	1.8m
Kenmerken	
Bijzonderheid	Depth Acquisition (DPQ), Extended Depth of Field (EDOF), Extended Dynamic Range (EDR), Auto and Manual Refocusing, ?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