

AM4917MT-BFCW



Brand:

Product Code: AM4917MT-BFCW

Short Description

1.3 Megapixel Edge sensor

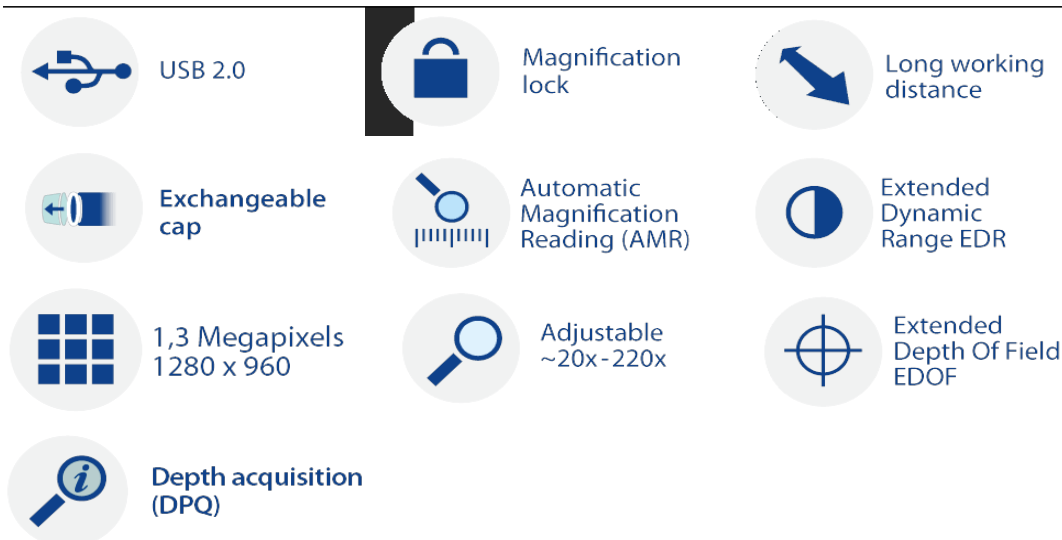
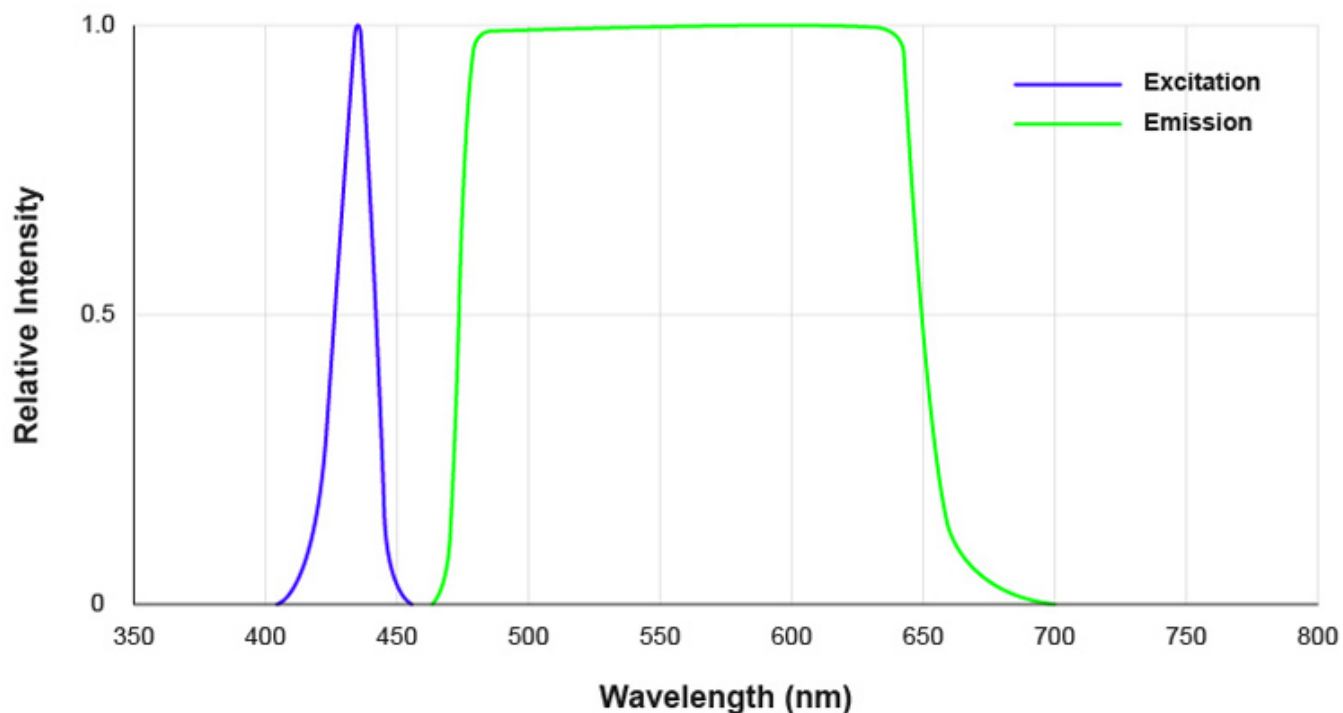
Wide-Ranging Fluorescence Detection

Automatic Magnification Readout (AMR)

Depth Acquisition (DPQ)

Description

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

Specification

Lighting	
Light/ LED type	435 nm excitation + white
Number of LEDs	7 FL + 1 White
LED on/off switchable:	Yes
Infrared filter	No
Diffuser available	No
Emission filter	475 nm ~ 650 nm
Polarizer	No
Fluorophores	eCFP, Alexa Fluor 430, and Fura Red
Optics	
Magnification	20x ~ 220x
Working distance	Standard

Lens type	Glass with anti-reflection coating
Sensor	
Sensor type	CMOS
Resolution	1.3 Megapixel (1280x960)
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	95g
Cable length	1.8m
Features	
Special feature	Depth Acquisition (DPQ), Extended Depth of Field (EDOF), Extended Dynamic Range (EDR), Auto and Manual Refocusing, ?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