

AM4117MT-RFCW



Brand:
Product Code: AM4117MT-RFCW

Short Description

1.3 Megapixel
High Sensitivity Sensor
Large Stokes Shift (LSS) Red Fluorescence
Dual Lighting
Robust Metal Housing

Description

With 435 nm excitation lights and a 615 nm ~ 640 nm emission filter, AM4117MT-RFCW can detect red fluorescence excited by blue light, making it suitable for fluorescence probes with large Stokes shift, such as dKeima, tKeima, and LSSmKate1.

Working distance/field of view/depth of field

M	WD	FOV (x)	FOV (y)	DOF
10	142.8	39.1	29.3	23.5
20	59.9	19.5	14.7	6.3
30	33.3	13.0	9.8	3.0
40	20.6	9.8	7.3	1.8
50	13.6	7.8	5.9	1.2
60	9.4	6.5	4.9	0.9
70	6.8	5.6	4.2	0.7
80	5.3	4.9	3.7	0.6

90	4.3	4.3	3.3	0.5
100	3.9	3.9	2.9	0.4
110	3.8	3.6	2.7	0.3
120	3.9	3.3	2.4	0.3
130	4.2	3.0	2.3	0.3
140	4.7	2.8	2.1	0.2
150	5.4	2.6	2.0	0.2
160	6.1	2.4	1.8	0.2
170	6.9	2.3	1.7	0.2
180	7.7	2.2	1.6	0.2
190	8.7	2.1	1.5	0.2
200	9.6	2.0	1.5	0.1
210	10.7	1.9	1.4	0.1
220	11.7	1.8	1.3	0.1

Specification

Lighting	
Light/ LED type	Excitation Light (?peak = 435 nm) White Light
Optics	
Magnification	10x ~ 220x
Sensor	
Resolution	1.3 Megapixel (1280 x 960)
Maximum frame rate	30 fps at 1.3 MP, MJPEG 30 fps at VGA, MJPEG
Compatibility	
Interface	USB 2.0
Operating system	Windows 10/11 macOS 10.14 or later
Housing	
Magnification lock	Yes
Dimensions	104 mm (H) x 32 mm (D)
Weight	Approx. 90 g
Cable length	Approx. 1.8 m
Features	
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
Information	
Package contents	Microscope, carry pouch, calibration target, user manual, N3C-O- Open cap, N3C-C- Closed cap, N3C-D- diffuser cap, N3C-E- Extension cap, N3C-L- Long cap, N3C-S- Side light cap
Warranty information	2 years European warranty
Regulatory approval	CE, FCC, ROHS

