

AM8117MZT

Product Code: AM8117MZT Edge Plus



Short Description

High Optical Resolution

8.0 Megapixel

Enhanced Flexible LED Control (eFLC)

Adjustable Polarizer

Robust Metal Housing

Description

Taking image quality to the next level, the 8-megapixel AM8117MZT digital microscope delivers high resolution and color fidelity for a natural-looking and detailed imaging experience. AM8117MZT includes a polarizer for reducing unwanted reflections as well as eFLC for maximizing lighting adjustability.



Metal
housing



Enhanced Flexible
LED control



Adjustable
~10-220x



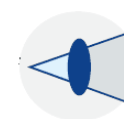
8,0 Megapixels
3840 x 2160



Measurement
functionality



8 White LEDs
switchable



Polarizer
anti-reflection

The main features of the AM8117MZT are:

- 8 Megapixels
- High Optical Resolution
- Enhanced Flexible LED Control (eFLC)
- Adjustable Polarizer
- Robust Metal Housing
- 10x ~ 220x magnification (Edge shading occurs below 25x when previewing in 16:9 windows.)
- man, french, spanish,
- And more...

Optical Data Table

MAGNIFICATION RATE	WORKING DISTANCE *	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
10	142.6	60.69	34.14	26.15
20	59.8	30.35	17.07	7.05
30	33.1	20.23	11.38	3.36
40	20.5	15.17	8.53	2.02
50	13.4	12.14	6.83	1.38
60	9.2	10.11	5.69	1.01
70	6.7	8.67	4.88	0.79
80	5.1	7.59	4.27	0.64
90	4.1	6.74	3.79	0.53
100	3.7	6.07	3.41	0.45
110	3.6	5.52	3.10	0.39
120	3.7	5.06	2.85	0.34
130	4.1	4.67	2.63	0.30
140	4.5	4.34	2.44	0.27
150	5.2	4.05	2.28	0.25
160	5.9	3.79	2.13	0.22
170	6.7	3.57	2.01	0.21
180	7.5	3.37	1.90	0.19
190	8.5	3.20	1.80	0.18
200	9.4	3.03	1.71	0.16
210	10.5	2.89	1.63	0.15
220	11.5	2.76	1.55	0.14

Listed values may differ slightly * Without front cap

Unit = mm

Specification

Lighting

Light/ LED type	White
Number of LEDs	8
Optics	
Magnification	10x ~ 220x
Working distance	142.6 ~ 11.5 mm
Sensor	
Sensor type	CMOS
Resolution	8.0 Megapixel (3840x2160)
Maximum frame rate	10 fps at 8.0 MP, MJPEG 25 fps at 2.0 MP, MJPEG
Compatibility	
Interface	USB 2.0
Operating system	Windows 10/11
Supported image formats (Windows)	BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM
Supported video formats (Windows)	WMV, FLV, SWF
Housing	
Housing material	Metal housing
Dimensions	130 mm (H) x 33 mm (D)
Weight	120 g
Features	
Special feature	Auto and Manual Refocus
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
Information	
Package contents	N3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-D2 (Opal Diffuser Cap) N3C-E (Extended Open Cap) N3C-L (Long Cap) N3C-O (Open Cap) N3C-S (Sidelight Cap)
Warranty information	2 years European warranty
Regulatory approval:	CE, FCC, ROHS
Price range	€1149,00 - €1249,00