

AM8917MZTL

Product Code: AM8917MZTL Edge Plus



Short Description

High Optical Resolution

8.0 Megapixel

Enhanced Flexible LED Control (eFLC)

Automatic Magnification Reading (AMR)

Long Working Distance

Automatic Magnification Reading (AMR)

Description

Capture stunning images with the AM8917MZTL 8-megapixel long working distance digital microscope. Engineered with a comprehensive set of features, including AMR, this model is designed to excel in both imaging and measurement-oriented tasks.



Metal
housing



Enhanced Flexible
LED control



Adjustable
~10x - 140x



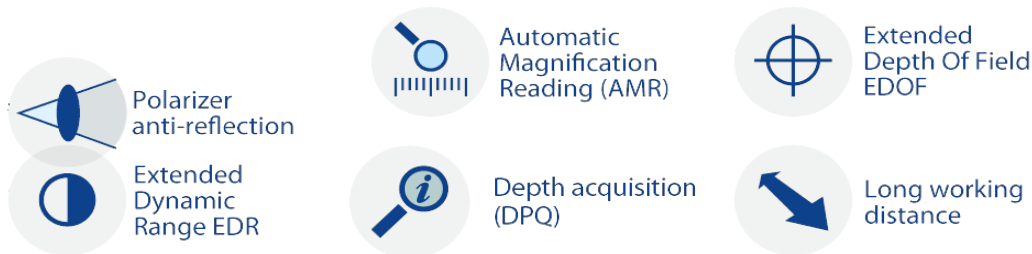
8,0 Megapixels
3840 x 2160



Measurement
functionality



8 White LEDs
switchable



The main features of the AM8917MZTL are:

- 8 Megapixels
- High Optical Resolution
- Automatic Magnification Reading (AMR)
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Depth Acquisition (DPQ)
- Enhanced Flexible LED Control (eFLC)
- Long Working Distance (LWD) Optics
- Adjustable Polarizer
- Robust Metal Housing
- 10x ~ 140x magnification (Edge shading occurs below 25x when previewing in 16:9 windows.)
- And more...

Optical Data Table

MAGNIFICATION RATE	WORKING DISTANCE *	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
10	237.5	60.69	34.14	25.82
20	115.3	30.35	17.07	6.89
30	75.9	20.23	11.38	3.50
40	57.3	15.17	8.53	2.23
50	47.0	12.14	6.83	1.59
60	40.8	10.11	5.69	1.22
70	36.9	8.67	4.88	0.98
80	34.6	7.59	4.27	0.82
90	33.2	6.74	3.79	0.70
100	32.6	6.07	3.41	0.61
110	32.4	5.52	3.10	0.53
120	32.7	5.06	2.85	0.48
130	33.2	4.67	2.63	0.43
140	33.9	4.34	2.44	0.39

Listed values may differ slightly * Without front

Unit = mm

cap

Specification

Lighting	
Light/ LED type	White
Number of LEDs	8
Optics	
Magnification	10x ~ 140x
Working distance	237.5 ~ 33.9 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	EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only.
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	€1500,00 - €1700,00