

AM8917MZT

Product Code: AM8917MZT Edge Plus



Short Description

High Optical Resolution

8.0 Megapixel

Enhanced Flexible LED Control (eFLC)

Automatic Magnification Reading (AMR)

Robust Metal Housing

Description

Pushing the limits of handheld digital microscopy, the 8-megapixel AM8917MZT is a high-resolution digital microscope capable of revealing the minute details of the target. The microscope also delivers outstanding color fidelity, enhancing the imaging experience with detailed and natural-looking results. Ready to perform a wide range of tasks, AM8917MZT offers a polarizer as well as DPQ, EDOF, EDR, AMR, and eFLC.



Metal
housing



Enhanced Flexible
LED control



Adjustable
~10-220x



8,0 Megapixels
3840 x 2160



Measurement
functionality



8 White LEDs
switchable



The main features of the AM8917MZT are:

- 8 Megapixels
- High Optical Resolution
- Automatic Magnification Reading (AMR)
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Enhanced Flexible LED Control (eFLC)
- Adjustable Polarizer
- Robust Metal Housing
- 10x ~ 220x magnification (Edge shading occurs below 25x when previewing in 16:9 windows.)
- And more...

Optical Data Table

M	WD	FOV (x)	FOV (y)	DOF
10	142.6	60.69	34.14	26.0
20	60.1	30.35	17.07	7.0
30	33.6	20.23	11.38	3.3
40	21.0	15.17	8.53	2.0
50	14.0	12.14	6.83	1.3
60	9.8	10.11	5.69	1.0
70	7.3	8.67	4.88	0.78
80	5.7	7.59	4.27	0.63
90	4.8	6.74	3.79	0.52
100	4.3	6.07	3.41	0.44
110	4.2	5.52	3.10	0.38
120	4.3	5.06	2.85	0.34
130	4.7	4.67	2.63	0.31
140	5.2	4.34	2.44	0.28
150	5.8	4.05	2.28	0.26
160	6.5	3.79	2.13	0.24
170	7.3	3.57	2.01	0.22

180	8.1	3.37	1.90	0.20
190	9.1	3.20	1.80	0.19
200	10.0	3.03	1.71	0.18
210	11.0	2.89	1.63	0.17
220	12.1	2.76	1.55	0.16

Specification

Lighting	
Light/ LED type	White
Number of LEDs	8
Optics	
Magnification	10x ~ 220x
Working distance	142.6 ~ 12.1 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