

# AM8117MZTL

**Brand:** Dino-Lite  
**Product Code:** AM8117MZTL Edge Plus



## Short Description

High Optical Resolution  
8.0 Megapixel  
Enhanced Flexible LED Control (eFLC)  
Long Working Distance  
Robust Metal Housing

## Description

The AM8117MZTL 8-megapixel long working distance digital microscope captures images with stunning clarity and sharpness. Its advanced sensor technology, combined with the eFLC feature and adjustable polarizer, make the AM8117MZTL a reliable tool for high-quality imaging,



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 AM8117MZTL are:**

- 8 Megapixels
- High Optical Resolution
- 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...

**Working distance/field of view/depth of field**

<b>MAGNIFICATION RATE</b>	<b>WORKING DISTANCE *</b>	<b>FIELD OF VIEW(X)</b>	<b>FIELD OF VIEW(Y)</b>	<b>DEPTH OF FIELD</b>
10	238.3	60.69	34.14	25.99
20	115.4	30.35	17.07	6.94
30	75.9	20.23	11.38	3.29
40	57.1	15.17	8.53	1.98
50	46.7	12.14	6.83	1.35
60	40.5	10.11	5.69	0.99
70	36.7	8.67	4.88	0.77
80	34.3	7.59	4.27	0.62
90	32.9	6.74	3.79	0.52
100	32.3	6.07	3.41	0.44
110	32.1	5.52	3.10	0.38
120	32.3	5.06	2.85	0.33
130	32.8	4.67	2.63	0.30
140	33.5	4.34	2.44	0.27

**Listed values may differ slightly \* Without front cap Unit = mm**

**Specification**

<b>Lighting</b>	
Light/ LED type	White
Number of LEDs	8
<b>Optics</b>	

Magnification	10x ~ 140x
Working distance	238.3 ~ 33.5 mm
<b>Sensor</b>	
Sensor type	CMOS
Resolution	8 Megapixel (3840 x 2160)
Maximum frame rate	10 fps at 8.0 MP, MJPEG 25 fps at 2.0 MP, MJPEG
<b>Compatibility</b>	
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
<b>Housing</b>	
Housing material	Metal housing
Dimensions	130 mm (H) x 33 mm (D)
Weight	120 g
<b>Features</b>	
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
<b>Information</b>	
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 - €1349,00