AM4917MZT4

Brand: Dino-Lite
Product Code: AM4917MZT4

Short Description

1.3 Megapixels
Extended Depth of Field (EDOF)
Extended Dynamic Range (EDR)
Automatic Magnification Reading (AMR)
Enhanced Flexible LED Control (eFLC)

Description

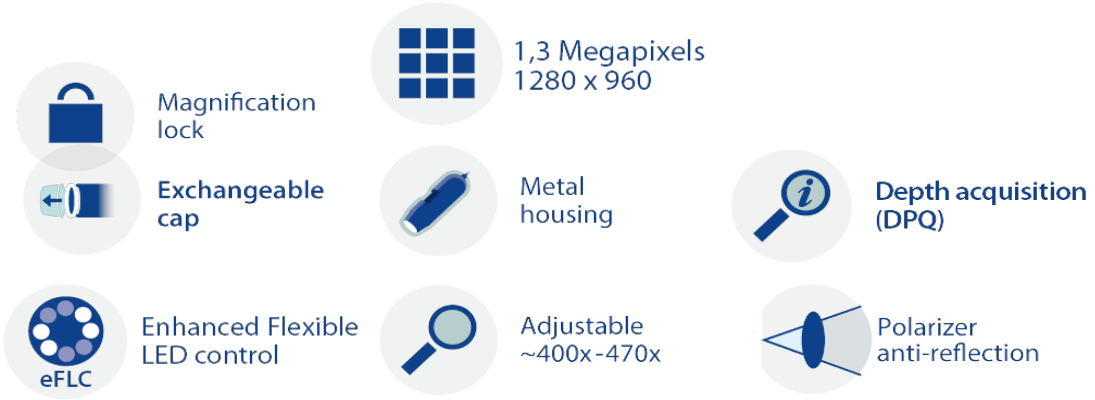
As magnification increases, targets with uneven surfaces are often out of focus due to the limited depth of field. AM4917MZT4 400x digital microscope eases focusing with its click-to-focus functionality and can generate focused-stacked images with EDOF. Delivering superior images, equipped with a polarizer, and featuring EDOF, DPQ, AMR, and EDR, AM4917MZT4 is a quality imaging tool ready for a wide range of applications.

Note: EDOF, EDR, and DPQ are available on Windows PC only.

Extended Depth Of Field EDOF

Extended Dynamic Range EDR

Automatic Magnification Reading (AMR)



The main features of the AM4917MT8 are:

- 1.3 Megapixels
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Automatic Magnification Reading (AMR)
- Enhanced Flexible LED Control (eFLC)
- Integrated polarizer (anti-reflection)
- 400x-470x magnification
- And more...

(*EDOF/EDR only functions under Windows OS)

Optical Data Table

MAGNIFICATION RATE	WORKING DISTANCE *	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
400	5.68	0.977	0.732	0.041
410	6.63	0.953	0.715	0.040
420	7.59	0.93	0.698	0.039
430	8.55	0.909	0.681	0.038
440	9.51	0.888	0.666	0.038
450	9.62	0.868	0.651	0.037
460	9.56	0.849	0.637	0.036
470	9.50	0.831	0.623	0.036
Listed values may differ slightly		*** Without front cap**		**Unit = mm**

Specification

Lighting	
Light/ LED type	White
Number of LEDs	8

Optics	
Magnification	400x ~ 470x
Sensor	
Sensor type	CMOS
Resolution	1.3 Megapixel (1280 x 960)
Maximum frame rate	30 fps in 1.3 MP, MJPEG 30 fps in VGA, MJPEG
Compatibility	
Interface	USB 2.0
Operating system	Windows 7, 8, 10 & 11, MacOS 10.12 and up
Included software	DinoCapture 2.0 (Windows), DinoXcope (Mac OS)
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
Supported image formats (MacOS)	PNG, JPEG
Supported video formats (MacOS)	MOV
Housing	
Housing material	Metal housing
Dimensions	10.7 cm (H) x 3.3 cm (D)
Weight	130 g
Features	
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
Information	
Warranty information	2 years European warranty
Regulatory approval	CE, FCC, ROHS
Price range	€1200,00 - €1400,00