

AM73915MZT4



Brand: Dino-Lite
Product Code: AM73915MZT4

Short Description

5.0 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. The 5.0 MP Edge 3.0 AM73915MZT4 400x - 470x microscope offers a click-to-focus functionality for automatic focusing to the point of interest and also features EDOF for generating focus-stacked images. Equipped with a polarizer and advanced features like DPQ, eFLC, AMR, and EDR, Edge 3.0 AM73915MZT4 is a robust tool ready to tackle a variety of tasks.

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



Extended
Depth Of Field
EDOF



Extended
Dynamic
Range EDR



Automatic
Magnification
Reading (AMR)



Magnification lock



5,0 Megapixels
2560 x 1920



Exchangeable cap



Metal housing



Depth acquisition (DPQ)



Enhanced Flexible LED control

The main features of the AM73915MZT4 are:

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

(*EDOF/EDR only functions under Windows OS)

Optical Data Table

MAGNIFICATION WORKING ON RATE	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
Polarizer	Yes, linear

Optics	
Magnification	400x ~ 470x
Sensor	
Sensor type	CMOS
Resolution	5 Megapixel (2560 x 1920)
Maximum frame rate	15 fps at 5 MP, YUY2 (USB 3.0) 45 fps at 1.3 MP, YUY2 (USB 3.0) 15 fps at 1.3 MP, YUY2 (USB 2.0)
Compatibility	
Interface	USB 3.0, Cable included**
Operating system	Windows 7/8/10/11 macOS 10.14 or later
Operating system	Windows 7, 8, 10 & 11, MacOS 10.12 and up
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	11.9 cm (H) x 3.3 cm (D)
Weight	110 g
Features	
Calibration	Yes
Microtouch sensor	Yes
Information	
Warranty information	2 years European warranty
Regulatory approval	CE, FCC, ROHS
Price range	€1200,00 - €1500,00