

AM73915MT8



Brand: Dino-Lite

Product Code: AM73915MT8

Short Description

5.0 Megapixels

Extended Depth of Field (EDOF)

Depth Acquisition (DPQ)

Enhanced Flexible LED Control (eFLC)

Extended Dynamic Range (EDR)

Automatic Magnification Reading (AMR)

Description

At high magnifications, the thickness or roughness of targets may pose difficulties in focusing due to the small depth-of-field of microscopes. The Edge 3.0 AM73915MT8 800x provides EDOF to generate focus-stacked images. AM73915MT8 offers DPQ, EDOF, eFLC, AMR, EDR, a click-to-focus functionality for automatically changing focus to the point of interest, and smooth live imaging with a resolution of 5.0 MP at 15 fps or 1.3 MP at 45 fps.

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



Adjustable
~700-900x

The main features of the AM73915MT8 are:

- 5 Megapixels
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Automatic Magnification Reading (AMR)
- Enhanced Flexible LED Control (eFLC)
- 700x-900x 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
700	5.82	0.558	0.419	0.00985
750	5.74	0.521	0.391	0.00973
800	5.68	0.488	0.366	0.00956
850	5.62	0.460	0.345	0.00937
900	5.57	0.434	0.326	0.00915

Listed values may differ slightly * Without front cap

Unit = mm

Specification

Lighting	
Light/ LED type	White
Number of LEDs	8
Optics	
Magnification	700x ~ 900x

Sensor	
Sensor type	CMOS
Resolution	5 Megapixel (2560 x 1920)
Maximum frame rate	15 fps at 5.0 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	
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
Information	
Warranty information	2 years European warranty
Regulatory approval	CE, FCC, ROHS
Price range	€1400,00 - €1700,00