

AM73915MT8



Marque: Dino-Lite

Code produit: AM73915MT8

Courte 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

Spécification

| 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 |