

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 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 |
| 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 |
| 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 | 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 |