

# AM73915MZT4



**Brand:**

**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)



## 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 |

|                                   |  |
|-----------------------------------|--|
| <b>Optics</b>                     |  |
| Magnification                     | 400x ~ 470x  |
| <b>Sensor</b>                     |  |
| Sensor type                       | CMOS   |
| Resolution                        | 5.0 Megapixel (2560x1920)  |
| 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) |
| <b>Compatibility</b>              |  |
| 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  |
| <b>Housing</b>                    |  |
| Housing material                  | Metal housing  |
| Dimensions                        | 11.9 cm (H) x 3.3 cm (D)   |
| Weight                            | 110 g  |
| <b>Features</b>                   |  |
| Calibration                       | Yes  |
| Microtouch sensor                 | Yes  |
| <b>Information</b>                |  |
| Warranty information              | 2 years European warranty  |
| Regulatory approval               | CE, FCC, ROHS  |
| Price range                       | €1200,00 - €1500,00  |