

# AM73915MT8



**Brand:**

**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



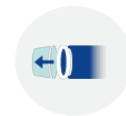
Automatic  
Magnification  
Reading (AMR)



Magnification  
lock



5.0 Megapixels  
2560 x 1920



Exchangeable  
cap



Metal  
housing



Depth acquisition  
(DPQ)



Enhanced Flexible  
LED control



Adjustable  
~700-900x

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## 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                        | 5.0 Megapixel (2560x1920)  |
| 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  |