Dino-Lite Europe - Phone: - Email:

## **AM73115MZT**



### **Short Description**

5 Megapixel Edge sensor USB 3.0, maximum 45fps 10-220x magnification Polarizer Flexible LED Control (FLC)

### **Description**

With the use of the USB 3.0 connection the AM73115MZT is able to capture smooth and high-quality images. The Edge series optics and the special feature Flexible LED Control (FLC) makes the AM73115MZT the best choice for the more demanding applications.









It offers superb uncompressed image quality and color reproduction in a robust, compact and appealing metal housing. The AM73115MZT is part of the high speed range due to its USB 3.0 connection with a maximum speed of 45fps at 1280x960 and 15fps at 2560x1920. With its wide magnification range from 20 - 220x, it is suitable for a broad range of applications. Because of the built-in polarization filter this model is ideal when working with shiny or reflective objects such as metal, plastic, glass, jewelry, electronics, etc.

#### The main features of the AM73115MZT are:

- 5 Megapixel Edge sensor
- USB 3.0 with up to 45fps
- 10-220x magnification
- Integrated polarizer
- Aluminum housing
- Flexible LED Control (FLC)
- Extensive measurement functions
- Calibration
- Exchangeable front caps
- And more...

#### **Optical Data Table**

| MAGNIFICAT | WORKING          | FIELD OF | FIELD OF | <b>DEPTH OF</b> |
|------------|------------------|----------|----------|-----------------|
| ON RATE    | <b>DISTANCE*</b> | VIEW(X)  | VIEW(Y)  | FIELD           |
| 10         | 142.4            | 37.8     | 28.3     | 19.7            |
| 20         | 59.5             | 19.5     | 14.6     | 5.4             |
| 30         | 32.9             | 13.0     | 9.7      | 2.6             |
| 40         | 20.2             | 9.8      | 7.3      | 1.6             |
| 50         | 13.2             | 7.8      | 5.8      | 1.1             |
| 60         | 9.0              | 6.5      | 4.8      | 0.8             |
| 70         | 6.4              | 5.6      | 4.2      | 0.6             |
| 80         | 4.8              | 4.9      | 3.6      | 0.5             |
| 90         | 3.9              | 4.3      | 3.2      | 0.42            |
| 100        | 3.5              | 3.9      | 2.9      | 0.36            |
| 110        | 3.3              | 3.6      | 2.7      | 0.31            |

| 120                    | 3.5            | 3.3 | 2.4 | 0.27      |
|------------------------|----------------|-----|-----|-----------|
| 130                    | 3.8            | 3.0 | 2.2 | 0.24      |
| 140                    | 4.3            | 2.8 | 2.1 | 0.22      |
| 150                    | 4.9            | 2.6 | 1.9 | 0.2       |
| 160                    | 5.6            | 2.4 | 1.8 | 0.18      |
| 170                    | 6.4            | 2.3 | 1.7 | 0.17      |
| 180                    | 7.3            | 2.2 | 1.6 | 0.15      |
| 190                    | 8.2            | 2.1 | 1.5 | 0.14      |
| 200                    | 9.2            | 2.0 | 1.5 | 0.13      |
| 210                    | 10.2           | 1.9 | 1.4 | 0.13      |
| 220                    | 11.3           | 1.8 | 1.3 | 0.12      |
| <b>Listed values</b>   | *Without front |     |     | Unit = mm |
| may differ<br>slightly | cap            |     |     |           |

# Specification

| Lighting                |   |
|-------------------------|---|
| Light/ LED type         | White   |
| Number of LEDs          | 8   |
| LED on/off switchable:  | Yes   |
| Infrared filter         | IR cut-filter >650 nm                         |
| Diffuser available      | Yes (N3C-D included)                          |
| Emission filter         | No  |
| Polarizer               | Yes, linear                                   |
| Optics                  |   |
| Magnification           | 10-220x                                       |
| Macro zoom              | No  |
| Working distance        | Standard                                      |
| Lens type               | Glass with anti-reflection coating            |
| Sensor                  |   |
| Sensor type             | CMOS  |
| Resolution              | 5 Megapixel (2560x1920)                       |
| Maximum frame rate      | 45fps (max 20fps video recording)             |
| Compatibility           |   |
| Interface               | USB 3.0, Cable included**                     |
| Operating system        | Windows7, 8, 10 & 11, MacOS 10.9 and up       |
| Software                | DinoCapture 2.0 (Windows), DinoXcope (Mac OS) |
| Supported image formats | BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA,       |

| Supported video formats (Windows) | VMV, FLV, SWF  |  |  |
|-----------------------------------|--|--|--|
| (Windows)                         |  |  |  |
| (Williaows)                       |  |  |  |
| Supported image formats JI        | PEG, PNG   |  |  |
| (MacOS)                           |  |  |  |
| Supported video formats M         | IOV (max 1.3MP)                                      |  |  |
| (MacOS)                           |  |  |  |
| Imaging standards D               | DirectShow, UVC                                      |  |  |
| Wifi                              | 0  |  |  |
| Housing                           |  |  |  |
| Housing material M                | Ietal housing  |  |  |
| Magnification lock Y              | es   |  |  |
| Dimensions 11                     | 1.9cm (L) x 3.3cm (H)                                |  |  |
| Weight 11                         | 10g  |  |  |
| Cable length 1.                   | .8m  |  |  |
| Features                          |  |  |  |
| Special feature F                 | lexible LED Control (FLC)                            |  |  |
| Measurement Y                     | es   |  |  |
| Calibration Y                     | es   |  |  |
| Microtouch sensor Y               | es   |  |  |
| ESD safe Y                        | es   |  |  |
| Information                       |  |  |  |
| Package contents M                | Iicroscope, carry pouch, software CD, user           |  |  |
| m                                 | nanual, quick guide, calibration target, front cover |  |  |
| N                                 | 3C-O- Open cap, N3C-C- Closed cap, N3C-D-            |  |  |
| D                                 | oiffuser cap, N3C-E- Extension cap, N3C-L- Long      |  |  |
| Ca                                | ap, N3C-S- Side light cap                            |  |  |
| Warranty information 2            | years European warranty                              |  |  |
| Regulatory approval C             | E, FCC, ROHS   |  |  |
| Price range €                     | €1000,00 - €1200,00                                  |  |  |
| Note **                           | *Dino-Lite USB 3.0 models use a custom USB-A         |  |  |
| ar                                | nd USB-C cable that is specifically designed for     |  |  |
| D                                 | ino-Lite   |  |  |

## **Product Gallery**