

# AM73115MZT



**Značka:** Dino-Lite

**Kód produktu:** AM73115MZT

## Short Description

5 Megapixel Edge sensor

USB 3.0, maximum 45fps

10-220x magnification

Polarizer

Flexible LED Control (FLC)

## Popis

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.



USB 3.0



High speed



Adjustable  
~10-220x



Measurement  
functionality



Magnification  
lock



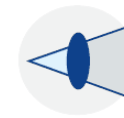
5 megapixel  
2592 x 1944



8 White LEDs  
switchable



Flexible  
LED control



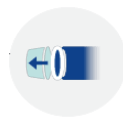
Polarizer  
anti-reflection



Standard working distance



Metal housing



Exchangeable cap

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

| MAGNIFICATION RATE | WORKING DISTANCE* | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF 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           |

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

## Specifikace

| 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 (2592x1944)                       |
| 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       |
| Included software       | DinoCapture 2.0 (Windows), DinoXcope (Mac OS) |
| Supported image formats | BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA,       |

|                                   |                                                                                                                                                                                                                          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (Windows)                         | PCX, MNG, WBMP, JP2, JPC, PGX                                                                                                                                                                                            |
| Supported video formats (Windows) | WMV, FLV, SWF                                                                                                                                                                                                            |
| Supported image formats (MacOS)   | JPEG, PNG                                                                                                                                                                                                                |
| Supported video formats (MacOS)   | MOV (max 1.3MP)                                                                                                                                                                                                          |
| Imaging standards                 | DirectShow, UVC                                                                                                                                                                                                          |
| Wifi                              | No                                                                                                                                                                                                                       |
| <b>Housing</b>                    |                                                                                                                                                                                                                          |
| Housing material                  | Metal housing                                                                                                                                                                                                            |
| Magnification lock                | Yes                                                                                                                                                                                                                      |
| Dimensions                        | 11.9cm (L) x 3.3cm (H)                                                                                                                                                                                                   |
| Weight                            | 110g                                                                                                                                                                                                                     |
| Cable length                      | 1.8m                                                                                                                                                                                                                     |
| <b>Features</b>                   |                                                                                                                                                                                                                          |
| Special feature                   | Flexible LED Control (FLC)                                                                                                                                                                                               |
| Measurement                       | Yes                                                                                                                                                                                                                      |
| Calibration                       | Yes                                                                                                                                                                                                                      |
| Microtouch sensor                 | Yes                                                                                                                                                                                                                      |
| ESD safe                          | Yes                                                                                                                                                                                                                      |
| <b>Information</b>                |                                                                                                                                                                                                                          |
| Package contents                  | Microscope, carry pouch, software CD, user manual, quick guide, calibration target, front cover<br>N3C-O- Open cap, N3C-C- Closed cap, N3C-D- Diffuser cap, N3C-E- Extension cap, N3C-L- Long cap, N3C-S- Side light cap |
| Warranty information              | 2 years European warranty                                                                                                                                                                                                |
| Regulatory approval               | CE, FCC, ROHS                                                                                                                                                                                                            |
| Price range                       | €1000,00 - €1200,00                                                                                                                                                                                                      |
| Note                              | **Dino-Lite USB 3.0 models use a custom USB-A and USB-C cable that is specifically designed for Dino-Lite                                                                                                                |

## Product Gallery