

# AM7115MZT

**Marke:**

**Artikelnummer:** AM7115MZT - EDGE



## Short Description

5 Megapixel resolution

Robust metal housing

10-220x magnification

Polarizer

Flexible LED Control (FLC)

## Beschreibung

With the use of the latest, cutting-edge optics, a brand new 5 megapixel sensor and several special features such as Flexible LED Control (FLC) and full aluminum body, the Dino-Lite AM7115MZT is a marvel of technology and the best choice for the high-demanding professional. The Dino-Lite AM7115MZT offers superb image quality and color reproduction in a robust, compact and appealing housing.



USB 2.0



Measurement  
functionality



ADJUSTABLE  
~10-220x



Magnification  
lock



Metal  
housing



5 megapixel  
2592 x 1944

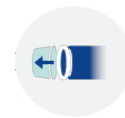


8 White LEDs  
switchable

Flexible LED  
Control FLC



Standard working  
distance



Exchangeable  
cap



Polarizer  
anti-reflection

The AM7115MZT is part of the universal range and with its standard working distance and wide magnification range from 10 – 220x, it is suitable for a wide 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 AM7115MZT are:

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

### Working distance/field of view/depth of field

| MAGNIFICATION RATE                       | WORKING DISTANCE 1 | WORKING DISTANCE 2*        | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD   |
|------------------------------------------|--------------------|----------------------------|------------------|------------------|------------------|
| <b>Listed values may differ slightly</b> |                    | <b>* Without front cap</b> |                  |                  | <b>Unit = mm</b> |
| 10                                       | -                  | 142.6                      | 39.6             | 29.7             | 2.6              |
| 20                                       | 52.7               | 60.1                       | 19.5             | 15.6             | 2.5              |
| 30                                       | 26.0               | 33.5                       | 13.0             | 10.4             | 1.8              |
| 40                                       | 13.4               | 20.9                       | 9.8              | 7.8              | 1.5              |
| 50                                       | 6.4                | 13.9                       | 7.8              | 6.3              | -                |
| 60                                       | 2.2                | 9.7                        | 6.5              | 5.2              | -                |
| 70                                       | -                  | 7.1                        | 5.6              | 4.5              | 1.0              |
| 80                                       | -                  | 5.5                        | 4.9              | 3.9              | -                |
| 90                                       | -                  | 4.5                        | 4.3              | 3.5              | -                |

|     |   |      |     |     |     |
|-----|---|------|-----|-----|-----|
| 100 | - | 4.1  | 3.9 | 3.1 | -   |
| 110 | - | 4.0  | 3.6 | 2.8 | -   |
| 120 | - | 4.1  | 3.3 | 2.6 | -   |
| 130 | - | 4.5  | 3.0 | 2.4 | -   |
| 140 | - | 5.0  | 2.8 | 2.2 | -   |
| 150 | - | 5.6  | 2.6 | 2.1 | -   |
| 160 | - | 6.3  | 2.4 | 2.0 | -   |
| 170 | - | 7.1  | 2.3 | 1.8 | -   |
| 180 | - | 8.0  | 2.2 | 1.7 | -   |
| 190 | - | 8.9  | 2.1 | 1.6 | -   |
| 200 | - | 9.9  | 2.0 | 1.6 | -   |
| 210 | - | 10.9 | 1.9 | 1.5 | -   |
| 220 | - | 11.9 | 1.8 | 1.4 | 0.1 |

## Spezifikation

| 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                     | 10x ~ 220x                                                            |
| Macro zoom                        | No                                                                    |
| Working distance                  | Standard                                                              |
| Lens type                         | Glass with anti-reflection coating                                    |
| Sensor                            |                                                                       |
| Sensor type                       | CMOS                                                                  |
| Resolution                        | 5.0 Megapixel (2592x1944)                                             |
| Maximum frame rate                | 30 fps                                                                |
| Compatibility                     |                                                                       |
| Interface                         | USB 2.0                                                               |
| Operating system                  | Windows 7, 8, 10 & 11, MacOS 10.9 and up                              |
| Software                          | DinoCapture 2.0 (Windows), DinoXcope (Mac OS)                         |
| Supported image formats (Windows) | BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX |
| Supported video formats (Windows) | WMV, FLV, SWF                                                         |
| Supported image formats           | JPEG, PNG                                                             |

|                                 |                                                                                                                                                                                           |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (MacOS)                         |                                                                                                                                                                                           |
| Supported video formats (MacOS) | MOV (max 1.3MP)                                                                                                                                                                           |
| Imaging standards               | DirectShow, UVC                                                                                                                                                                           |
| Wifi                            | Wireless-ready, requires the WF-10 WiFi streamer (optional)                                                                                                                               |
| <b>Housing</b>                  |                                                                                                                                                                                           |
| Housing material                | Metal housing                                                                                                                                                                             |
| Dimensions                      | 10.5cm (L) x 3.2cm (D)                                                                                                                                                                    |
| Weight                          | 135gr                                                                                                                                                                                     |
| 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, calibration target, user manual, N3C-O- Open cap, N3C-C- Closed cap, N3C-D- diffuser cap, N3c-extension cap, N3C-L- Long cap, N3C-S- Side light cap |
| Warranty information            | 2 years European warranty                                                                                                                                                                 |
| Regulatory approval             | CE, FCC, ROHS                                                                                                                                                                             |
| Price range                     | €750,00 - €1000,00                                                                                                                                                                        |

## Product Gallery



