

AM73115MZTL

**Brand:****Product Code:** AM73115MZTL

Short Description

5 Megapixel Edge sensor

USB 3.0, maximum 45fps

10-140x magnification

Long working distance (3,5~24cm)

Flexible LED Control (FLC)

Polarizer

Description

With the use of the USB 3.0 connection the AM73115MZTL is able to capture smooth and high-quality images. The Edge series optics and the special feature Flexible LED Control (FLC) makes the AM73115MZTL the best choice for the more demanding applications



USB 3.0



High speed



Adjustable
~10x - 140x



Measurement
functionality



Magnification
lock



5 megapixel
2592 x 1944



The AM73115MZTL 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 magnification range from 10 – 140x and long working distance, 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 AM73115MZTL are:

- 5 Megapixel Edge sensor
- USB 3.0 with up to 45fps
- 10-140x magnification
- Long working distance
- 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 | 234.5 | 39.0 | 29.2 | 12.0 |
| 20 | 112.5 | 19.5 | 14.6 | 4.5 |
| 30 | 72.5 | 13.0 | 9.7 | 3.1 |
| 40 | 54.5 | 9.8 | 7.3 | 1.8 |
| 50 | 43.5 | 7.8 | 5.8 | 1.2 |
| 60 | 37.5 | 6.5 | 4.8 | 0.9 |
| 70 | 33.7 | 5.6 | 4.2 | 0.6 |
| 80 | 31.3 | 4.9 | 3.6 | 0.5 |
| 90 | 29.9 | 4.3 | 3.2 | 0.37 |
| 100 | 29.2 | 3.9 | 2.9 | 0.28 |
| 110 | 29.1 | 3.5 | 2.6 | 0.22 |

| | | | | |
|--|----------------------------|-----|-----|------------------|
| 120 | 29.3 | 3.3 | 2.4 | 0.17 |
| 130 | 29.8 | 3.0 | 2.2 | 0.12 |
| 140 | 30.5 | 2.8 | 2.1 | 0.09 |
| Listed values may differ slightly | * Without front cap | | | Unit = mm |

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 | 10x ~ 140x |
| Macro zoom | No |
| Working distance | Long |
| Lens type | Glass with anti-reflection coating |
| Sensor | |
| Sensor type | CMOS |
| Resolution | 5.0 Megapixel (2560x1920) |
| Maximum frame rate | 45fps (max 20fps video recording) |
| Compatibility | |
| Interface | USB 3.0, Cable included** |
| 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 (MacOS) | JPEG, PNG |
| Supported video formats (MacOS) | MOV (max 1.3MP) |
| Imaging standards | DirectShow, UVC |

| | |
|----------------------|--|
| Wifi | No |
| Housing | |
| Housing material | Metal housing |
| Magnification lock | Yes |
| Dimensions | 11.9cm (L) x 3.3cm (H) |
| Weight | 110g |
| Cable length | 1.8m |
| Features | |
| Special feature | Flexible LED Control (FLC) |
| Measurement | Yes |
| Calibration | Yes |
| Microtouch sensor | Yes |
| ESD safe | Yes |
| Information | |
| Package contents | Microscope, carry pouch, software CD, user manual, quick guide, calibration target, front cover 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