

## AM7915MZTL - Edge



The AM7915MZTL is part of the Long Working Distance (LWD) range and with its Long Working Distance and magnification range from 10 - 140x, it is suitable for a wide range of applications where extra distance to the object or a larger field of view is required.



USB 2.0



CONTINUOUS  
~10x - 140x



5 MEGAPIXEL  
2592 x 1944



EXTENDED  
DEPTH OF FIELD



EXTENDED  
DYNAMIC RANGE



AUTOMATIC  
MAGNIFICATION  
READING



POLARIZER  
ANTI-REFLECTION



FLEXIBLE  
LED CONTROL



EXCHANGEABLE  
CAP

With the Extended Dynamic Range (EDR) feature, the details of darker or brighter areas within the object can be revealed by stacking images at different exposure levels. The Extended Depth of Field (EDOF) feature automatically stacks images at different focus level to improve the depth of field on rough or uneven surfaces. The AMR function is of particular importance when the measurement functions are frequently used. 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 AM7915MZTL are:

- 5 Megapixel Edge sensor
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- 10-140x Magnification & Long working distance
- Automatic Magnification Reading (AMR)
- Adjustable polarizer
- Flexible LED Control (FLC)
- And more...

## **Details**

Dino-Lite range: Dino-Lite Long Working Distance

- **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: 10-140x
- Macro zoom: No
- Working distance: Long
- Lens type: Glass with anti-reflection coating

- **Sensor**

- Sensor type: CMOS
- Resolution: 5 Megapixel (2592x1944)
- Maximum frame rate: 30 fps

- **Compatibility**

- Interface: USB 2.0
- Operating system: Windows XP, Vista, 7, 8 & 10, MacOS 10.9 and up
- Included 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): -
- Supported video formats (MacOS): -
- Imaging standards: DirectShow, UVC

- **Housing**

- Housing material: Metal housing
- Magnification lock: Yes
- Dimensions: 10.5cm (L) x 3.2cm (D)
- Weight: 137g
- Cable length: 1.8m

- **Features**

- Special feature: Aut. Magn. reading, Ext. Dynamic Range (EDR), Ext. Depth of Field (EDOF), 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 box
- Warranty information: 2 years European warranty
- Regulatory approval: CE, FCC, ROHS
- Working distance/ field of view/ depth of field:

| <b>Magnification Rate</b>                    | <b>Working Distance<br/>*</b>  | <b>Field of<br/>View(x)</b> | <b>Field of<br/>View(y)</b> | <b>Depth of<br/>Field</b> |
|----------------------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------------------|
| 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                      |
| <b>Listed values may<br/>differ slightly</b> | <b>* Without front<br/>cap</b> |                             |                             | <b>Unit = mm</b>          |