

## 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.



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 (AMR)
- Adjustable polarizer
- Flexible LED Control (FLC)
- And more...

(\*EDOF only functions under Windows OS)

### ADDITIONAL INFO

#### 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)
WiFi:	no
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:

MAGNIFICATION RATE	WORKING DISTANCE*	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
10	237.7	39	29.2	12.0
20	115	19.5	14.6	4.5
30	75.5	13.0	9.7	3.1
40	56.8	9.8	7.3	1.8
50	46.4	7.8	5.8	1.2
60	40.2	6.5	4.8	0.9
70	36.4	5.6	4.2	0.6
80	34	4.9	3.6	0.5
90	32.7	4.3	3.2	0.37
100	32	3.9	2.9	0.28
110	31.8	3.6	2.6	0.22
120	32	3.3	2.4	0.17
130	32.5	3.0	2.2	0.12
140	33.3	2.8	2.1	0.09
Listed values may differ slightly	*Without front cap			Unit = mm

\*\*Dino-Lite USB 3.0 models use a custom USB cable that is specifically designed for Dino-