Dino-Lite Europe - Phone: - Email:

## AM7915MZTL - EDGE



#### **Brand:**

**Product Code:** AM7915MZTL

### **Short Description**

5 Megapixel resolution Extended Depth of Field (EDOF) Extended Dynamic Range (EDR) Flexible LED Control (FLC) 10-140x magnification Long working distance (LWD)

### **Description**

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

(\*EDOF/EDR only functions under Windows OS)

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

MAGNIFICATI WORKING FIELD OF FIELD OF DEPTH OF
ON RATE DISTANCE\* VIEW(X) VIEW(Y) FIELD
Listed values \*Without front Unit = mm

may differ cap

slightly				
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

## **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	$10x \sim 140x$			
Macro zoom	No			
Working distance	Long			
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	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	Wireless-ready, requires the WF-10 WiFi streamer (optional)		
Housing			
Housing material	Metal housing		
Dimensions	10.5cm (L) x 3.2cm (D)		
Weight	137g		
Cable length	1.8m		
Features			
Special feature	Automatic Magnification Reading (AMR), Extended Dynamic Range (EDR), Extended 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, calibration target, user manual, N3C-C (Close Cap), N3C-D (Diffuser Cap), N3C-D2 (Opal Diffuser Cap), N3C-E (Extended Open Cap), N3C-L (Long Cap), N3C-O (Open Cap), N3C-S (Sidelight Cap)		
Warranty information	2 years European warranty		
Regulatory approval	CE, FCC, ROHS		
Price range	€1100,00 - €1300,00		

# **Product Gallery**