



Certificate No. FM22273  
Certificate No. EMS60745



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## Tool Control Limited

### Design and Manufacture of Tool Control Equipment

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# AM7915MZT

**Brand:**

**Product Code:** AM7915MZT



### Short Description

5 Megapixel resolution

Extended Depth of Field (EDOF) Extended

Dynamic Range (EDR) Flexible LED

Control (FLC)

10-220x magnification

### Description

With the use of the latest, cutting-edge optics, a brand new 5-megapixel sensor and several special features, the Dino-Lite AM7915MZT is a marvel of technology and the best choice for the high-demanding professional. The Dino-Lite AM7915MZT offers superb image quality and color reproduction in a robust, compact and appealing housing.



USB 2.0



Adjustable  
~10-220x



5 megapixel  
2592 x 1944



Standard working  
distance



Measurement  
functionality



Extended  
Depth Of Field  
EDOF



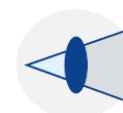
Extended  
Dynamic  
Range EDR



Automatic  
Magnification  
Reading (AMR)



Magnification  
lock



Polarizer  
anti-reflection



Flexible LED  
Control FLC



Exchangeable  
cap



Metal  
housing

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. With the built-in Automatic Magnification Reading (AMR), measurements can be performed easily and quickly. 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 AM7915MZT are:**

- 5 Megapixel Edge sensor
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- 10-220x magnification
- Adjustable polarizer
- Flexible LED Control (FLC)
- And more...

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

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

Magnification Rate	Working Distance	Field of View (X)	Field of View (Y)	Depth of Field
<b>10</b>	-	142.6	39.6	29.7
<b>20</b>	52.7	60.1	19.5	15.6
<b>30</b>	33.5	13.0	9.7	1.8
<b>40</b>	20.9	9.8	7.3	1.5
<b>50</b>	13.9	7.8	5.8	
<b>60</b>	9.7	6.5	4.8	
<b>70</b>	7.1	5.6	4.2	1.0
<b>80</b>	5.5	4.9	3.6	
<b>90</b>	4.5	4.3	3.2	
<b>100</b>	4.1	3.9	2.9	
<b>110</b>	4.0	3.6	2.7	
<b>120</b>	4.1	3.3	2.4	
<b>130</b>	4.5	3.0	2.2	
<b>140</b>	5.0	2.8	2.1	
<b>150</b>	5.6	2.6	1.9	
<b>160</b>	6.3	2.4	1.8	
<b>170</b>	7.1	2.3	1.7	
<b>180</b>	8.0	2.2	1.6	
<b>190</b>	8.9	2.1	1.5	
<b>200</b>	9.9	2.0	1.5	
<b>210</b>	10.9	1.9	1.4	
<b>220</b>	11.9	1.8	1.3	0.1

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 ~ 220x
Macro zoom	No
Working distance	Standard
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 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)	PNG, JPEG
Supported video formats (MacOS)	MOV (max 1.3MP)
Imaging standards	DirectShow, UVC
Wi-Fi	Wireless-ready, requires the WF-10 WIFI streamer (optional)
Housing	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	10.5cm (L) x 3.2cm (D)
Weight	138g
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
<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-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	€1100,00 - €1300,00

# Product Gallery

