

# AM73115MZT



**Product Code:** AM73115MZT

## Short Description

5 Megapixel Edge sensor  
 USB 3.0, maximum 45fps  
 10-220x magnification  
 Polarizer  
 Flexible LED Control (FLC)

## Description

With the use of the USB 3.0 connection the AM73115MZT is able to capture smooth and high-quality images. The Edge series optics and the special feature Flexible LED Control (FLC) makes the AM73115MZT the best choice for the more demanding applications.



USB 3.0



High speed



Adjustable  
 ~10-220x



Measurement  
 functionality



Magnification  
 lock



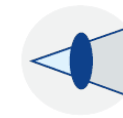
5 megapixel  
 2592 x 1944



8 White LEDs  
 switchable



Flexible  
 LED control



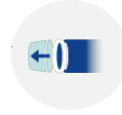
Polarizer  
 anti-reflection



Standard working distance



Metal housing



Exchangeable cap

It offers superb uncompressed image quality and color reproduction in a robust, compact and appealing metal housing. The AM73115MZT 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 wide magnification range from 20 – 220x, 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 AM73115MZT are:

- 5 Megapixel Edge sensor
- USB 3.0 with up to 45fps
- 10-220x magnification
- Integrated polarizer
- Aluminum housing
- Flexible LED Control (FLC)
- Extensive measurement functions
- Calibration
- Exchangeable front caps
- And more...

### Optical Data Table

<b>MAGNIFICATION RATE</b>	<b>WORKING DISTANCE*</b>	<b>FIELD OF VIEW(X)</b>	<b>FIELD OF VIEW(Y)</b>	<b>DEPTH OF FIELD</b>
<b>10</b>	142.4	37.8	28.3	19.7
<b>20</b>	59.5	19.5	14.6	5.4
<b>30</b>	32.9	13.0	9.7	2.6
<b>40</b>	20.2	9.8	7.3	1.6
<b>50</b>	13.2	7.8	5.8	1.1
<b>60</b>	9.0	6.5	4.8	0.8
<b>70</b>	6.4	5.6	4.2	0.6
<b>80</b>	4.8	4.9	3.6	0.5
<b>90</b>	3.9	4.3	3.2	0.42
<b>100</b>	3.5	3.9	2.9	0.36
<b>110</b>	3.3	3.6	2.7	0.31

<b>120</b>	3.5	3.3	2.4	0.27
<b>130</b>	3.8	3.0	2.2	0.24
<b>140</b>	4.3	2.8	2.1	0.22
<b>150</b>	4.9	2.6	1.9	0.2
<b>160</b>	5.6	2.4	1.8	0.18
<b>170</b>	6.4	2.3	1.7	0.17
<b>180</b>	7.3	2.2	1.6	0.15
<b>190</b>	8.2	2.1	1.5	0.14
<b>200</b>	9.2	2.0	1.5	0.13
<b>210</b>	10.2	1.9	1.4	0.13
<b>220</b>	11.3	1.8	1.3	0.12
<b>Listed values may differ slightly</b>	<b>*Without front cap</b>			<b>Unit = mm</b>

## 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	5.0 Megapixel (2560x1920)
Maximum frame rate	45fps (max 20fps video recording)
Compatibility	
Interface	USB 3.0, Cable included**
Operating system	Windows7, 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	No
<b>Housing</b>	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	11.9cm (L) x 3.3cm (H)
Weight	110g
Cable length	1.8m
<b>Features</b>	
Special feature	Flexible LED Control (FLC)
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
ESD safe	Yes
<b>Information</b>	
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

