

# AM73115MZTL



**Brand:**  
**Product Code:** AM73115MZTL

## Short Description

5 Megapixel Edge sensor  
USB 3.0, maximum 45fps  
10-140x magnification  
Long working distance (3,5~24cm)  
Flexible LED Control (FLC)  
Polarizer

## Description

With the use of the USB 3.0 connection the AM73115MZTL is able to capture smooth and high-quality images. The Edge series optics and the special feature Flexible LED Control (FLC) makes the AM73115MZTL the best choice for the more demanding applications



USB 3.0



High speed



Adjustable  
~10x - 140x



Measurement  
functionality



Magnification  
lock



5 megapixel  
2592 x 1944



The AM73115MZTL 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 magnification range from 10 – 140x and long working distance, 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 AM73115MZTL are:**

- 5 Megapixel Edge sensor
- USB 3.0 with up to 45fps
- 10-140x magnification
- Long working distance
- 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>	234.5	39.0	29.2	12.0
<b>20</b>	112.5	19.5	14.6	4.5
<b>30</b>	72.5	13.0	9.7	3.1
<b>40</b>	54.5	9.8	7.3	1.8
<b>50</b>	43.5	7.8	5.8	1.2
<b>60</b>	37.5	6.5	4.8	0.9
<b>70</b>	33.7	5.6	4.2	0.6
<b>80</b>	31.3	4.9	3.6	0.5
<b>90</b>	29.9	4.3	3.2	0.37
<b>100</b>	29.2	3.9	2.9	0.28
<b>110</b>	29.1	3.5	2.6	0.22

<b>120</b>	29.3	3.3	2.4	0.17
<b>130</b>	29.8	3.0	2.2	0.12
<b>140</b>	30.5	2.8	2.1	0.09
<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 ~ 140x
Macro zoom	No
Working distance	Long
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	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)	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