Dino-Lite Europe - Phone: - Email:

## **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.









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**

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

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

# 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	$10x \sim 220x$		
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,		

Supported video formats (Windows)  Supported image formats (MacOS)  WMV, FLV, SWF  JPEG, PNG	
Supported image formats JPEG, PNG	
(MacOS)	
(MucOb)	
Supported video formats MOV (max 1.3MP)	
(MacOS)	
Imaging standards DirectShow, UVC	
Wifi	
Housing	
Housing material Metal housing	
Magnification lock Yes	
Dimensions 11.9cm (L) x 3.3cm (H)	
Weight 110g	
Cable length 1.8m	
Features	
Special feature Flexible LED Control (FLC	
Measurement Yes	
Calibration Yes	
Microtouch sensor Yes	
ESD safe Yes	
Information	
Package contents Microscope, carry pouch, so	oftware CD, user
manual, quick guide, calibra	ation target, front cover
N3C-O- Open cap, N3C-C-	Closed cap, N3C-D-
Diffuser cap, N3C-E- Exten	nsion 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 mode	ls use a custom USB-A
and USB-C cable that is spe	ecifically designed for
Dino-Lite	

## **Product Gallery**