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)

#### **Beschreibung**

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)	<b>FIELD</b>
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 fron	t		Unit = mm
may differ	cap			
slightly				

# Spezifikation

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 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)	VMV, FLV, SWF		
(Windows)			
(Williaows)			
Supported image formats JI	PEG, PNG		
(MacOS)			
Supported video formats M	IOV (max 1.3MP)		
(MacOS)			
Imaging standards D	DirectShow, UVC		
Wifi	0		
Housing			
Housing material M	Ietal housing		
Magnification lock Y	es		
Dimensions 11	1.9cm (L) x 3.3cm (H)		
Weight 11	10g		
Cable length 1.	.8m		
Features			
Special feature F	lexible LED Control (FLC)		
Measurement Y	es		
Calibration Y	es		
Microtouch sensor Y	es		
ESD safe Y	es		
Information			
Package contents M	Iicroscope, carry pouch, software CD, user		
m	nanual, quick guide, calibration target, front cover		
N	3C-O- Open cap, N3C-C- Closed cap, N3C-D-		
D	oiffuser cap, N3C-E- Extension cap, N3C-L- Long		
Ca	ap, N3C-S- Side light cap		
Warranty information 2	years European warranty		
Regulatory approval C	E, FCC, ROHS		
Price range €	€1000,00 - €1200,00		
Note **	*Dino-Lite USB 3.0 models use a custom USB-A		
ar	nd USB-C cable that is specifically designed for		
D	ino-Lite		

# **Product Gallery**