

# AM73915MZT



**Brand:**  
**Product Code:** AM73915MZT

## Short Description

5 Megapixel Edge sensor  
USB 3.0, maximum 45fps  
20-220x magnification  
Flexible LED Control (FLC)  
Polarizer  
Extended Depth of Field (EDOF)  
Extended Dynamic Range (EDR)  
Automatic Magnification Reading (AMR)

## Description

The Dino-Lite AM73915MZT is part of the High Speed range with USB 3.0 connection. It offers superb uncompressed image quality and color reproduction in a robust, compact and appealing metal housing.

USB 3.0 adds a new transfer mode called "SuperSpeed" (SS) capable of transferring data up to 5Gbits/s (625MB/s). Dino-Lite models with USB 3.0 offer an image transfer speed of up to 45FPS at a 1280 x 960 resolution. SuperSpeed allows you to take advantage of the full power of the Dino-Lite Edge Series optics including improved colour accuracy and image quality.

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EDOF allows users to automatically capture multiple images at different depths and automatically combine them into one clear image. EDR automatically captures and combines multiple images at different exposure levels to produce a final image with greater dynamic range. The AMR function automatically detects and displays the magnification of the Dino-Lite. The magnification is displayed within the Dino-Lite software and stored with the captured picture and simplifies the measuring process.

The AM73915MZT is one of the most high-end Dino-Lite products available and the top-level product within the Dino-Lite USB 3.0 range. For professionals who are looking for high speed data transfer, the best available image quality and are looking for advanced features this is the model of choice.

The Dino-Lite AM73915MZT is a USB 3.0 model with a magnification range of 10x - 220x and a standard working distance of up to 6 cm. This model is member of the Dino-Lite Edge family with the latest, cutting-edge optics, an unmatched 5 megapixel sensor and several special features such as the Extended Depth of Field (EDOF), Enhanced Dynamic Range (EDR), Automatic Magnification Reading (AMR), Flexible LED Control (FLC), built-in polarization filter, full metal body, extensive measurement functions, calibration, exchangeable front caps and more.

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

## Optical Data Table

MAGNIFICATION RATE	WORKING DISTANCE	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF 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

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
<b>Sensor</b>	
Sensor type	CMOS
Resolution	5 Megapixel (2560x1920)
Maximum frame rate	45fps (max 20fps video recording)
<b>Compatibility</b>	
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 (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	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, 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	€1300,00 - €1500,00
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

