# AM73915MZTL



Marka: Ürün Kodu: AM73915MZTL

#### **Short Description**

5 Megapixel Edge sensor USB 3.0, maximum 45fps 10-140x magnification Long working distance Flexible LED Control (FLC) Polarizer Extended Depth of Field (EDOF) Extended Dynamic Range (EDR) Automatic Magnification Reading (AMR)

#### Aç?klama

The Dino-Lite AM73915MZTL is a Long Working Distance model that 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.



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 AM73915MZTL is one top-level Dino-Lite products available and the most advanced product within the Dino-Lite USB 3.0 range. For professionals who are looking for extended working distance, high speed data transfer, the best available image quality and many advanced features this is the model of choice.

The Dino-Lite AM73915MZTL is a USB 3.0 model with a magnification range of 10x - 140x and a Long Working Distance of up to 24 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					
<b>MAGNIFICATI WORKING</b>		FIELD OF	FIELD OF	<b>DEPTH OF</b>	
<b>ON RATE</b>	<b>DISTANCE*</b>	VIEW(X)	VIEW(Y)	FIELD	
10	234.5	39.0	29.2	12.0	
20	112.5	19.5	14.6	4.5	
30	72.5	13.0	9.7	3.1	
40	54.5	9.8	7.3	1.8	
50	43.5	7.8	5.8	1.2	
60	37.5	6.5	4.8	0.9	
70	33.7	5.6	4.2	0.6	
80	31.3	4.9	3.6	0.5	
90	29.9	4.3	3.2	0.37	
100	29.2	3.9	2.9	0.28	
110	29.1	3.5	2.6	0.22	
120	29.3	3.3	2.4	0.17	
130	29.8	3.0	2.2	0.12	
140	30.5	2.8	2.1	0.09	
Listed values	*Without front	;		Unit = mm	
may differ slightly	сар				

## Özellikler

O Zemikier			
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		
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	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		
Information			
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			

**Product Gallery**