

# AM73915MZTL



**Merk:**

**Productcode:** AM73915MZTL

## **Korte omschrijving**

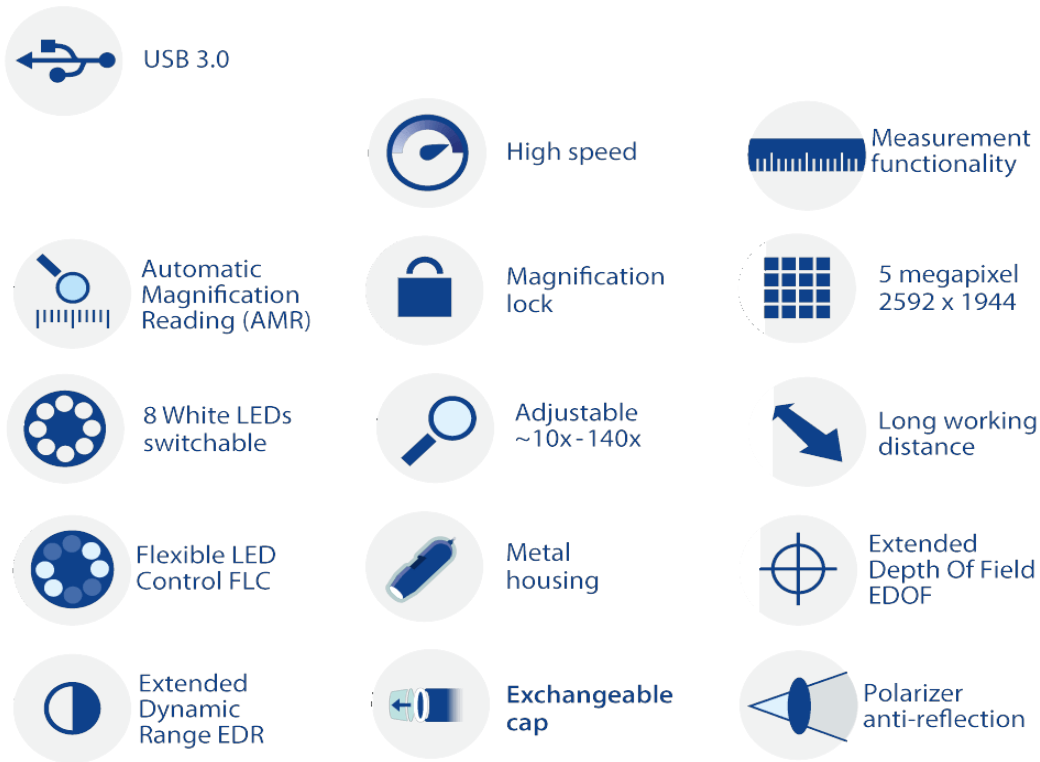
5 Megapixel Edge sensor  
USB 3.0, maximum 45fps  
10-140x magnification  
Long working distance  
Flexible LED Control (FLC)  
Polarizer  
Extended Depth of Field (EDOF)  
Extended Dynamic Range (EDR)  
Automatic Magnification Reading (AMR)

## **Omschrijving**

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.

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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 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

MAGNIFICATION RATE	WORKING DISTANCE*	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF 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 may differ slightly	*Without front cap			Unit = mm

## Specificatie

Verlichting	
Licht / LED-type	White
Aantal leds	8
LED aan / uit schakelbaar:	Yes
Infrarood filter	IR cut-filter >650 nm
Diffusor beschikbaar	Yes (N3C-D included)
Emissiefilter	No
Polarisator	Yes, linear
Optiek	
Magnification	10x ~ 140x
Macro zoom	No
Werkafstand	Long
Type lens	Glass with anti-reflection coating
Sensor	
Sensortype	CMOS
Resolutie	5.0 Megapixel (2560x1920)
Maximale framesnelheid	45fps (max 20fps video recording)

Compatibiliteit	
Interface	USB 3.0, Cable included**
Besturingssysteem	Windows 7, 8, 10 & 11, MacOS 10.9 and up
Software	DinoCapture 2.0 (Windows), DinoXcope (Mac OS)
Ondersteunde beeldformaten (Windows)	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX
Ondersteunde videoformaten (Windows)	WMV, FLV, SWF
Ondersteunde beeldformaten (MacOS)	JPEG, PNG
Ondersteunde videoformaten (MacOS)	MOV (max 1.3MP)
Beeldvormingsnormen	DirectShow, UVC
Wifi	No
Behuizing	
Materiaal van de behuizing	Metal housing
Vergrotingsslot	Yes
Afmetingen	11.9cm (L) x 3.3cm (H)
Gewicht	110g
Kabellengte	1.8m
Kenmerken	
Bijzonderheid	Automatic Magnification Reading (AMR), Extended Dynamic Range (EDR), Extended Depth of Field (EDOF), Flexible LED Control (FLC).
Meting	Yes
Kalibratie	Yes
Microtouch-sensor	Yes
ESD veilig	Yes
Informatie	
Inhoud van de verpakking	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
Garantie-informatie	2 years European warranty
Regelgevende goedkeuring	CE, FCC, ROHS
Prijsklasse	€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 galerij

