

AM7915MZT - EDGE



With the use of the latest, cutting-edge optics, a brand new 5 megapixel sensor and several special features, the Dino-Lite AM7915MZT is a marvel of technology and the best choice for the high-demanding professional. The Dino-Lite AM7915MZT offers superb image quality and color reproduction in a robust, compact and appealing housing.



With the Extended Dynamic Range (EDR) feature, the details of darker or brighter areas within the object can be revealed by stacking images at different exposure levels. The Extended Depth of Field (EDOF) feature automatically stacks images at different focus level to improve the depth of field on rough or uneven surfaces. With the built-in automatic magnification reading (AMR), measurements can be performed easily and quickly. 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 AM7915MZT are:

- 5 Megapixel Edge sensor
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Automatic Magnification Reading (AMR)
- Adjustable polarizer
- Flexible LED Control
- And more...

(*EDOF only functions under Windows OS)

ADDITIONAL INFO

DETAILS

Dino-Lite range: Dino-Lite Universal

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: 10-220x

Macro zoom: No

Working distance: Standard

Lens type: Glass with anti-reflection coating

SENSOR

Sensor type: CMOS

Resolution: 5 Megapixel (2592x1944)

Maximum frame rate: 30 fps

COMPATIBILITY

Interface: USB 2.0
Operating system: Windows XP, Vista, 7, 8 & 10, MacOS 10.9 and up
Included software: DinoCapture 2.0 (Windows), DinoXcope (Mac OS)
WiFi: no
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): -
Supported video formats (MacOS): -
Imaging standards: DirectShow, UVC

HOUSING

Housing material: Metal housing
Magnification lock: Yes
Dimensions: 10.5cm (L) x 3.2cm (D)
Weight: 137g
Cable length: 1.8m

FEATURES

Special feature: Aut. Magn. reading, Ext. Dynamic Range (EDR), Ext. 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 box
Warranty information: 2 years European warranty
Regulatory approval: CE, FCC, ROHS

Working distance/ field of view/ depth of field:

MAGNIFICATION RATE	WORKING DISTANCE *	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
10	136.0	37.8	28.3	-
20	60.2	19.5	14.6	2.5
30	33.5	13.0	9.7	1.8
40	20.9	9.8	7.3	1.5
50	13.9	7.8	5.8	-
60	9.7	6.5	4.8	-
70	7.1	5.6	4.2	1.0
80	5.5	4.9	3.6	-
90	4.5	4.3	3.2	-
100	4.1	3.9	2.9	-
110	4.0	3.6	2.7	-
120	4.1	3.3	2.4	-
130	4.5	3.0	2.2	-
140	5.0	2.8	2.1	-
150	5.6	2.6	1.9	-
160	6.3	2.4	1.8	-
170	7.1	2.3	1.7	-
180	8.0	2.2	1.6	-
190	8.9	2.1	1.5	-
200	9.9	2.0	1.5	-
210	10.9	1.9	1.4	-
220	11.9	1.8	1.3	0.1
Listed values may differ slightly	* Without front cap			Unit = mm