

Dino-Lite Edge AM73115MZT USB 3.0 Digital Microscope, 5.0MP, 20~220

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 real time 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, 20-220x magnification, integrated polarizer, aluminum housing, Flexible LED Control (FLC), extensive measurement functions, calibration, exchangeable front caps and more.

ADDITIONAL INFO

DETAILS

Dino-Lite range: Dino-Lite High Speed Real Time

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: 20-220x

Macro zoom: No

Working distance: Standard

Lens type: Glass with anti-reflection coating

SENSOR

Sensor type: CMOS

Resolution: 5 Megapixel (2592x1944)

Maximum frame rate: 45 fps

COMPATIBILITY

Interface: USB 3.0

Operating system: Windows XP, Vista, 7, 8 & 10, MacOS 10.9 and up

Included 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

Imaging standards: DirectShow, UVC

HOUSING

Housing material:	Aluminium alloy housing
Magnification lock:	Yes
Dimensions:	11.9cm (L) x 3.3cm (H)
Weight:	110g
Cable length:	1.8m

FEATURES

Special feature:	Flexible LED Control (FLC)
Measurement:	Yes
Calibration:	Yes
Microtouch sensor:	Yes
ESD safe:	Yes

INFORMATION

Package contents:	Microscope, Carry pouch, Software CD, Calibration target, User manual, 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:	€750,00 - €1000,00

Working distance/ field of view/ depth of field:

MAGNIFICATION RATE	WORKING DISTANCE	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
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
80	5.5	4.9	3.6	-
90	4.5	4.3	3.2	-
100	4.1	3.9	2.9	-
110	4	3.6	2.7	-
120	4.1	3.3	2.4	-
130	4.5	3.0	2.2	-
140	5	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	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	-
Listed values may differ slightly				Unit = mm