

Dino-Lite Edge AM73115MZTL USB 3.0 Digital Microscope, 5.0MP, 10~140x

The AM73115MZTL 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 magnification range from 10 – 140x and long working distance, 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 AM73115MZTL are: 5 Megapixel Edge sensor, USB 3.0 with up to 45fps, 10-140x magnification, long working distance, 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
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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:	10-140x
Macro zoom:	No
Working distance:	Long
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:	No, 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
10	234.5	39	31.2	
20	112.5	19.5	15.6	
30	72.5	13.0	10.4	
40	54.5	9.8	7.8	
50	43.5	7.8	6.2	
60	37.5	6.5	5.2	
70	33.7	5.6	4.5	
80	31.3	4.9	3.9	
90	29.9	4.3	3.5	
100	29.2	3.9	3.1	
110	29.1	3.6	2.8	
120	29.3	3.3	2.6	
130	29.8	3.0	2.4	
140	30.5	2.8	2.2	
Listed values may differ slightly				Unit = mm