

AM73115MZTL



With the use of the USB 3.0 connection the AM73115MZTL is able to capture smooth and high-quality images. The Edge series optics and the special feature Flexible LED Control (FLC) makes the AM73115MZTL the best choice for the more demanding applications



The AM73115MZTL is part of the high speed 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

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, Cable included**
Operating system: Windows 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:	Metal 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, User manual, Quick guide, Calibration target, Front cover
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	234.5	39	31.2	12.0
20	112.5	19.5	15.6	4.5
30	72.5	13.0	10.4	3.1
40	54.5	9.8	7.8	1.8
50	43.5	7.8	6.2	1.2
60	37.5	6.5	5.2	0.9
70	33.7	5.6	4.5	0.6
80	31.3	4.9	3.9	0.5
90	29.9	4.3	3.5	0.37
100	29.2	3.9	3.1	0.28
110	29.1	3.6	2.8	0.22
120	29.3	3.3	2.6	0.17
130	29.8	3.0	2.4	0.12
140	30.5	2.8	2.2	0.09
Listed values may differ slightly	*Without front cap			Unit = mm

**Dino-Lite USB 3.0 models use a custom USB cable that is specifically designed for Dino-Lite