

# 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



USB 3.0



HIGH SPEED



CONTINUOUS  
~10x-140x



MAGNIFICATION  
LOCK



5 MEGAPIXEL  
2592 x 1944



8 WHITE LEDs  
SWITCHABLE



POLARIZER  
ANTI-REFLECTION



4-15 cm

LONG WORKING  
DISTANCE

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

- Dino-Lite Range: Dino-Lite High Speed
- Resolution: High (5 Megapixel)

- Magnification: Low/medium (10x-140x)
- Interface: USB 3.0 Cable included
- Working Distance: Long
- Price Range (excl. VAT): €750,00 - €1000,00
- Light/ LED type: White
- ESD Safe: Yes
- Polarizer: Yes
- Housing: Metal housing
- Special feature: Flexible LED Control (FLC)
- Dino-Lite Range: Dino-Lite High Speed
- Light/ LED type: White
- Number of LEDs: 8
- LED on/off switchable: Yes
- Infrared filter: IR cut-filter >650 nm
- Diffuser available: Yes
- Emission filter: No
- Polarizer: Yes, linear
- Magnification: 10-140x
- Macro zoom: No
- Working Distance: Long
- Resolution: 5 Megapixel (2592x1944)
- Maximum Frame rate: 45 fps
- Interface: USB 3.0, Cable included
- Housing material: Metal housing
- Magnification lock: Yes
- Measurement: Yes
- Calibration: Yes
- Microtouch sensor: Yes
- ESD Safe: Yes
- Special feature: Flexible LED Control (FLC)
- Package contents: Microscope, Carry pouch, Software CD, User manual, Quick guide, Calibration target, Front cover box
- Price Range: €750,00 - €1000,00

- **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 box
- 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:

<b>Magnification Rate</b>	<b>Working Distance*</b>	<b>Field of View(x)</b>	<b>Field of View(y)</b>	<b>Depth of Field</b>
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

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