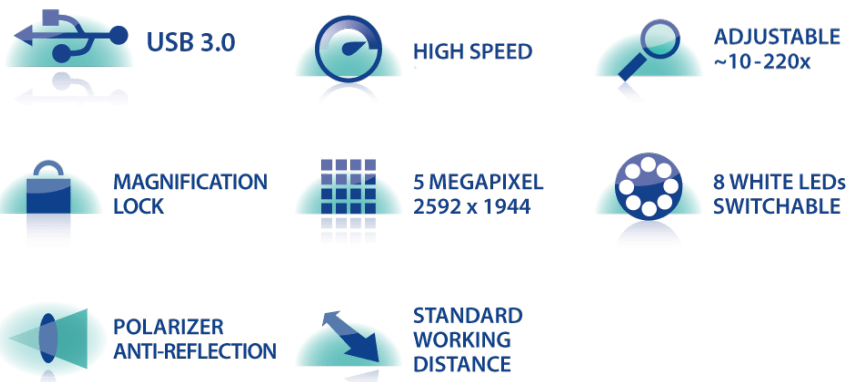# AM73115MZT

With the use of the USB 3.0 connection the AM73115MZT is able to capture smooth and high-quality images. The Edge series optics and the special feature Flexible LED Control (FLC) makes the AM73115MZT the best choice for the more demanding applications.

USB 3.0

HIGH SPEED

ADJUSTABLE
~10-220x

MAGNIFICATION
LOCK

5 MEGAPIXEL
2592 x 1944

8 WHITE LEDs
SWITCHABLE

POLARIZER
ANTI-REFLECTION

STANDARD
WORKING
DISTANCE

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 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

- Dino-Lite Range: Dino-Lite High Speed
- Resolution: High (5 Megapixel)
- Magnification: Standard (10x - 220x)
- Interface: USB 3.0 Cable included
- Working Distance: Standard
- 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: 10-220x
- Macro zoom: No
- Working Distance: Standard
- 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: 10-220x
- 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, 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:

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
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	0.1
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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