



# Dino-Lite AM7115MZTL Edge Digital Microscope Owner's Manual

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**Dino-Lite**  
Digital Microscope **Medical**

**Dino-Lite AM7115MZTL Edge Digital Microscope**



## Product Information

- **Brand:** Dino-Lite
- **Model:** AM7115MZTL
- **Resolution:** 5 Megapixels
- **Housing:** Robust metal
- **Magnification:** 10-140x
- **Working Distance:** Long
- **LED Control:** Flexible LED Control (FLC)

The Dino-Lite AM7115MZTL is a high-quality digital microscope designed for professional use. It features cutting-edge optics, a 5 megapixel sensor, and a robust metal housing. The microscope offers a wide range of magnification from 10x to 140x, allowing for detailed examination of various objects. With its long working distance, it is suitable for tasks such as repair, rework, assembly, and working with bulky or fragile objects that cannot be touched.

The AM7115MZTL is equipped with Flexible LED Control (FLC), which allows users to adjust the intensity of the LED lighting for optimal illumination. This feature is particularly useful when working with shiny or reflective objects such as metal, plastic, glass, jewelry, and electronics. The microscope also has a built-in polarization filter to enhance image quality when working with such objects.

## Product Usage Instructions

1. Connect the Dino-Lite AM7115MZTL to your computer using the included USB cable. Install the DinoCapture software from the provided software CD.
  - This software is compatible with Windows 7, 8, 10 & 11, and MacOS 10.9 and up.
2. Once the software is installed, launch it and select the Dino-Lite AM7115MZTL as the imaging device.
3. Adjust the magnification level by rotating the zoom control on the microscope. The magnification range is from 10x to 140x.
4. To adjust the LED lighting, use the Flexible LED Control (FLC) feature. This allows you to increase or decrease the intensity of the LED lights for optimal illumination.
5. If working with shiny or reflective objects, activate the built-in polarization filter for enhanced image quality.
6. Capture images or record videos using the software. The microscope supports various image and video formats, including BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX for Windows and JPEG, PNG, MOV (max 1.3MP) for MacOS.
7. The microscope can also be used wirelessly with the WF-10 WiFi streamer (optional) for wireless streaming and control.
8. After usage, disconnect the microscope from the computer and store it in a safe place.

**Note:** For detailed instructions on specific features and functions, refer to the user manual included in the package.

## Short Description

- 5 Megapixel resolution
- Robust metal housing
- 10-140x magnification
- Long working distance
- Flexible LED Control (FLC)

## Description

With the use of the latest, cutting-edge optics, a brand new 5 megapixel sensor and several special features such as Flexible LED Control (FLC) and full aluminum body, the Dino-Lite AM7115MZTL is a marvel of technology and the best choice for the high-demanding professional. The Dino-Lite AM7115MZTL offers superb image quality and color reproduction in a robust, compact and appealing housing.



- The AM7115MZTL is part of the Long Working Distance (LWD) range and with its Long Working Distance and magnification range from 10 – 140x, it is suitable for a wide range of applications where extra distance to the object or a larger field of view is required.
- The extra working distance and larger field of view make this model an ideal solution for tasks such as repair, rework or assembly or for working with bulky or fragile objects that cannot be touched. 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 AM7115MZTL are:**

- 5 Megapixel Edge sensor
- Long Working Distance (LWD)
- 10-140x magnification
- Integrated polarizer
- Aluminum housing
- Flexible LED Control (FLC)
- Extensive measurement functions
- Calibration
- Exchangeable front caps
- And more...
- Working distance/field of view/depth of field

MAGNIFICATION RATE	WORKING DISTANCE*	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
Listed values may differ slightly	* Without front cap			Unit = mm
10	234.5	39.0	31.2	12
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	3.5	2.8	0.22

## specification

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	
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 (2592×1944)
Maximum frame rate	30 fps
Compatibility	
Interface	USB 2.0
Operating system	Windows 7, 8, 10 & 11, 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 (max 1.3MP)
Imaging standards	DirectShow, UVC
Wifi	Wireless-ready, requires the WF-10 WiFi streamer (optional)
Housing	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	10.5cm (L) x 3.2cm (D)

Weight	135gr
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	€900,00 - €1100,00



## Product Gallery



## Documents / Resources

[illegible]

## References

-  **TCPDF**