

# AF7115MZTL

**Brand:**

**Product Code:** AF7115MZTL



## Short Description

High Optical Resolution

5.0 Megapixels

Long Working Distance (LWD) Optics

Flexible LED Control (FLC)

Adjustable Polarizer

Adaptable Interface

Robust Metal Housing

## Description

AF7115MZTL is a long working distance 5-megapixel digital microscope that delivers high-resolution images at a magnification range of 10x ~ 140x. This model features Flexible LED Control (FLC) for illumination adjustability and a polarizer for removing unwanted reflections. AF7115MZTL is compatible with WF-20 for wireless connectivity.



USB 2.0



Flexible LED  
Control FLC



Continuous  
~10x - 140x



Measurement  
functionality



Metal  
housing



5 megapixel  
2592 x 1944



8 White LEDs  
switchable



Magnification  
lock



Polarizer  
anti-reflection



Long working  
distance



Exchangeable  
cap



Wireless  
Ready

The AF7115MZTL 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 AF7115MZTL 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
- Wireless Ready
- And more...

### Optical Data Table

MAGNIFICATION RATE	WORKING DISTANCE*	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
<b>Listed values may differ slightly</b>	<b>* Without front cap</b>			<b>Unit = mm</b>

10	237.5	39.6	29.7	25.8
20	115.3	19.8	14.8	6.9
30	75.9	13.2	9.9	3.3
40	57.3	9.9	7.4	2.2
50	47.0	7.9	5.9	1.6
60	40.8	6.6	4.9	1.2
70	36.9	5.7	4.2	1.0
80	34.6	4.9	3.7	0.8
90	33.2	4.4	3.3	0.7
100	32.6	4.0	3.0	0.6
110	32.4	3.6	2.7	0.5
120	32.6	3.3	2.5	0.5
130	33.1	3.0	2.3	0.4
140	33.8	2.8	2.1	0.4

## Specification

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	10x ~ 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	30 fps
Compatibility	
Interface	USB 2.0
Operating system	Windows 7, 8, 10 & 11, MacOS 10.9 and up
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	WMV, FLV, SWF

(Windows)	
Supported image formats (MacOS)	JPEG, PNG
Supported video formats (MacOS)	MOV (max 1.3MP)
Imaging standards	DirectShow, UVC
Wifi	Wireless-ready, requires the WF-20 (optional)
<b>Housing</b>	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	11.5cm (L) x 3.4cm (D)
Weight	97gr
Cable length	1.8m
<b>Features</b>	
Special feature	Flexible LED Control (FLC)
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
ESD safe	Yes
<b>Information</b>	
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