AF7515MZTL



Artikelnummer: AF7515MZTL

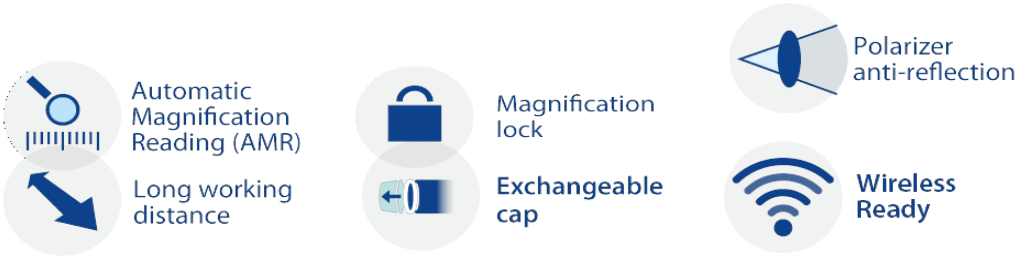
Short Description

High Optical Resolution
5-Megapixels
Long Working Distance (LWD) Optics
Flexible LED Control (FLC)
Adjustable Polarizer

Beschreibung

The 5-megapixel AF7515MZTL digital microscope provides a long working distance solution for capturing high-resolution images. Equipped with AMR and FLC, AF7515MZTL is a powerful tool for facilitating measurements and obtaining high-quality images. This model is compatible with the WF-20 Wi-Fi streamer.





The AF7515MZTL 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 AMR function is of particular importance when the measurement functions are frequently used.

The main features of the AF7515MZTL are:

• 5 Megapixel Edge sensor
• Long Working Distance (LWD)
• 10-140x magnification
• Integrated polarizer
• Aluminum housing
• Automatic Magnification Reading (AMR)
• Flexible LED Control (FLC)
• Extensive measurement functions
• Calibration
• Exchangeable front caps
• Wireless ready
• And more...

Optical Data Table

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

Spezifikation

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	5.0 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 (Windows)	WMV, FLV, SWF
Supported image formats	JPEG, PNG

(MacOS)	
Supported video formats (MacOS)	MOV (max 1.3MP)
Imaging standards	DirectShow, UVC
Wifi	Wireless-ready, requires the WF- 20 (optional)
Housing	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	11.5cm (L) x 3.4cm (D)
Weight	97gr
Cable length	1.8m
Features	
Special feature	Automatic Magnification Reading (AMR), 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	€1000,00 - €1200,00