

AF7515MZT

Product Code: Af7515MZT - EDGE



Short Description

- High Optical Resolution
- 5.0 Megapixel
- Flexible LED Control (FLC)
- Adjustable Polarizer
- Automatic Magnification Reading (AMR)
- Adaptable Interface
- Robust Metal Housing

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), Automatic Magnification Reading (AMR) and full aluminum body, the Dino-Lite AF7515MZT is a marvel of technology and the best choice for the high-demanding professional. The Dino-Lite AF7515MZT offers superb image quality and color reproduction in a robust, compact and appealing housing.



USB 2.0



Automatic
Magnification
Reading (AMR)



Adjustable
~10-220x



The AF7515MZT is part of the universal range and with its standard working distance and wide magnification range from 10 – 220x, it is suitable for a wide 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 AMR function is of particular importance when the measurement functions are frequently used.

The main features of the AF7515MZT are:

- 5 Megapixel Edge sensor
- 10-220x 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	WORKING DISTANCE	FIELD OF VIEW(X) * Without front cap	FIELD OF VIEW(Y)	DEPTH OF FIELD Unit = mm
Listed values may differ slightly				
10	142.6	39.6	29.7	26.0
20	60.1	19.8	14.8	7.0
30	33.6	13.2	9.9	3.3

40	21.0	9.9	7.4	2.0
50	14.0	7.9	5.9	1.4
60	9.8	6.6	4.9	1.0
70	7.3	5.7	4.2	0.8
80	5.7	4.9	3.7	0.6
90	4.8	4.4	3.3	0.5
100	4.3	4.0	3.0	0.4
110	4.2	3.6	2.7	0.4
120	4.3	3.3	2.5	0.3
130	4.7	3.0	2.3	0.3
140	5.2	2.8	2.1	0.3
150	5.8	2.6	2.0	0.3
160	6.5	2.5	1.9	0.2
170	7.3	2.3	1.8	0.2
180	8.1	2.2	1.6	0.2
190	9.1	2.1	1.6	0.2
200	10.0	2.0	1.5	0.2
210	11.0	1.9	1.4	0.2
220	12.1	1.8	1.3	0.2

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 ~ 220x
Macro zoom	No
Working distance	Standard
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 (MacOS)	JPEG, PNG
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
Dimensions	11.5cm (L) x 3.4cm (D)
Weight	97g
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