

AF7915MZT

Get the detail you need on the go with the Dino-Lite AF7915MZT high-resolution digital microscope. This 5-megapixel handheld digital microscope includes advanced features like EDOF, FLC, AMR, and EDR, offering versatility for accomplishing a wide variety of tasks. AF7915MZT is compatible with the WF-20 Wi-Fi streamer.



Note: EDOF, EDR, and DPQ are available on Windows PC only.

Overview

Specification



High Optical Resolution

The superior optics adopted in the Edge series reveals the finest details, answering the needs of the most demanding microscopy applications.



5.0 Megapixel

The 5-megapixel sensor excels at capturing fine details and can transmit high-quality images at a resolution of 2592 x 1944.



Flexible LED Control (FLC)

Tasking with software, the FLC provides a six-level intensity adjustment capability for each LED quadrant independently.



Adjustable Polarizer

The built-in adjustable polarizer removes unwanted reflection or glare from the object's surface for better contrast.



Depth Acquisition (DPQ)

The delicate focus control of this model allows for the acquisition of more accurate depth information. ([How to acquire depth information.](#))



Extended Depth of Field (EDOF)

Viewing rough surfaces with height ranges out of depth of focus, the EDOF can take several images at different focuses and stack them automatically within a click.



Extended Dynamic Range (EDR)

Observing high contrast or reflective surface, the EDR can help to reveal the details of dark or bright areas by stacking images taken at different exposure levels.



Automatic Magnification Reading (AMR)

The AMR feature automatically detects the magnification power in real time, improving measurement efficiency, easing magnification readings, and minimizing input errors in measurement tasks.



Adaptable Interface

The adaptable interface provides the capability of transforming Dino-Lite into a wireless microscope when attaching with WF-20.



Robust Metal Housing

The metal housing made of anodized aluminum alloy offers compelling advantages of protection and endurance. The anodized alloy provides extra protection from electromagnetic interference.

Information about working distance and field of view

M	WD	FOV (x)	FOV (y)	DOF
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

M = magnification rate WD = working distance (without front cap) FOV = field of view DOF= depth of field
 Unit = mm