

# AF7915MZTL

Get the detail you need from a distance with the 5-megapixel Dino-Lite AF7915MZTL long-working distance digital microscope. AF7915MZTL is packed with advanced features, including EDOF, FLC, AMR, and EDR, offering versatility for accomplishing a wide range of tasks. AF7915MZTL 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.



### Long Working Distance (LWD) Optics

The LWD optics yield more working space between the object and the microscope, making it ideal for applications such as repair or assembly.



### 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	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

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