

AF4915ZTL



The Dino-Lite Edge 1.3MP AF4915ZTL, with its long working distance and adaptable interface, is designed to meet most professional applications within 100x magnification. The AF4915ZTL integrates with EDOF, EDR, AMR and FLC as well as crisp image quality, making it one of the most versatile devices of Dino-Lite. When attaching with WF-20, a Wi-Fi streamer, the AF4915ZTL could be transformed into a wireless microscope, catering the needs for field applications.

This model is also available in white.

Overview



Long-Working-Distance (LWD) optics

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



High optical resolution

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



1.3 Megapixels

Thanks to the low loss MJPEG compression, the advanced CMOS image sensor allows to transmit fluid and crisp image with resolution up to 1280x1024.



Adaptable interface

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



Flexible LED Control (FLC)

Tasking with software, the FLC maximizes illumination flexibility by offering independent on/off control of the four LED quadrants in addition to the 6-levels intensity adjustment capability.



Automatic Magnification Reading (AMR)

Without the hassle to stop and check the magnification for doing a measurement, the AMR detects the magnification rate automatically through the software, making the measurement be a more efficient, accurate, and pleasant process.



Adjustable polarizer

The built-in adjustable polarizer allows to remove freely the unwanted reflection or glare from the object surface for a better contrast.



Scroll Lock

The scroll lock ensures the focus knob staying at the desired focus or magnification position without worry of unintentional movement.



Interchangeable caps

The interchangeable caps provide adaptability to numerous applications with alternative lighting or object interface, such as but not limited to diffused-light, ring-light, and coaxial-light etc.



Extend Depth of Field (EDOF)

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



Extend 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.

Information about working distance and field of view

M	WD	FOV (x)	FOV (y)	DOF
10	234.5	39.0	31.2	12
20	112.5	19.5	15.6	4.5
30	72.5	13.0	10.4	3.1
40	54.5	9.8	7.8	1.8
50	43.5	7.8	6.2	1.2
60	37.5	6.5	5.2	0.9
70	33.7	5.6	4.5	0.6
80	31.3	4.9	3.9	0.5
90	29.9	4.3	3.5	0.37
100	29.2	3.9	3.1	0.28
110	29.1	3.5	2.8	0.22
120	29.3	3.3	2.6	0.17
130	29.8	3.0	2.4	0.12
140	30.5	2.8	2.2	0.09

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

DOF = depth of field Unit = mm

Interchangeable front caps



N3C-D / Diffuser Cap

This cap diffuses the LED light.



N3C-C / Close Cap

This cap protects the lens and LED lights from contamination of dust, debris, or moisture.



N3C-D2 / Opal Diffuser Cap

This cap diffuses the LED light.



N3C-E / Extended Open Cap

Dino-Lite Edge (stand type) will focus at approximately 200x when the cap touches surface



N3C-L / Long Cap

This cap is useful to adjust the working focus of Dino-Lite Edge at lower magnification.



N3C-O / Open Cap

This is the standard cap for normal usage.



N3C-S / Sidelight Cap

This cap creates images with more depth and texture.

Specification

Model	AF4915ZTL Dino-Lite Edge	
Interface	USB 2.0	
Product Resolution	1.3M pixels (1280x1024)	
Magnification	10x~140x	
Frame Rate	15fps in 1.3MP, MJPEG 30fps in VGA, MJPEG	
Lighting	8 white LEDs	
Polarizer	Yes	
Microtouch	Yes	
Operating System Supported	Windows 10, 8, 7, Vista, XP Mac OS 10.10 or later	
Calibration Function	Yes	
Measurement Function	Yes	
Unit Dimension	11.4cm (H) x 3.3cm (D)	
Unit Weight	111g	
Color	Grey: AF4915ZTL / White: AF4915ZTL(W)	

