

AF4515ZTL



Featuring with FLC, AMR, and long-working-distance (LWD) lens, the Dino-Lite Edge 1.3MP AF4515ZTL was made to be tool of choice for measurement-intensive applications within 10-140X magnification. The adaptable interface which supports the connection to WF-20, a Wi-Fi streamer, allows the AF4515ZTL to be transformed into a wireless microscope on an as-needed basis. 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.

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-C / Close Cap

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



N3C-D / Diffuser Cap

This cap diffuses the LED light.



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	AF4515ZTL Dino-Lite Edge	
Interface	USB 2.0	
Product Resolution	1.3M pixels (1280x1024)	
Magnification	20x~220x	
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: AF4515ZTL / White: AF4515ZTL(W)	

