

AF4515ZT4

Dino-Lite Edge



Summary

Dino-Lite Edge 1.3MP AF4515ZT4 is a 400-470x magnification digital microscope equipped with FLC and AMR to facilitate tasks requiring light adjustments and measurement analysis. AF4515ZT4 is compatible with WF-20, a Wi-Fi streamer.

Overview

High optical resolution with up to 400X magnification

With superior optics, this Edge model is capable of revealing some of the finest details within a range of 400-470X magnifications.

1.3 Megapixels

Thanks to the 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.

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.

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.

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

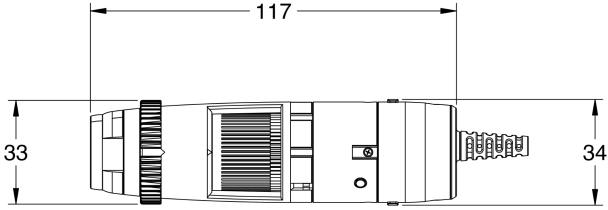
The scroll lock ensures the focus knob staying at the desired focus or magnification position without worry of unintentional movement.

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.

Specification

Model	AF4515ZT4
Series	Dino-Lite Edge
Interface	USB 2.0
Resolution	2.0 Megapixel (1280 x 1024)
Magnification	400x ~ 470x
Frame Rate	15fps at 1.3MP, MJPEG 30fps at VGA, MJPEG
System Requirements	CPU: 2.5 GHz dual-core Intel Core i5 equivalent or greater RAM: 4 GB or more HD: 150 MB space available or more
Operating System	Windows 7/8/10/11 macOS 10.14 or later
Saving Format	Image: DinoCapture 2.0: BMP, PNG, TIF, JPG DinoCapture 3.0: BMP, PNG, TIF, JPG

	DinoXcope: PNG, JPEG Video: DinoCapture 2.0: WMV, FLV, SWF DinoCapture 3.0: MP4 DinoXcope: MOV
Measurement Function	Yes
Calibration Function	Yes
Microtouch	Yes
Scroll Lock	Yes
Illumination	White Light, 8 LEDs
Included Front Caps	N3C-C (Close Cap) N3C-E (Extended Open Cap) N3C-O (Open Cap)
Unit Dimension	114 mm (H) x 34 mm (D) 
Unit Weight	111 g

Optical Data Table

M	WD	FOV (x)	FOV (y)	DOF
400	5.1	0.971	0.713	
410	6.0	0.951	0.697	
420	7.3	0.926	0.680	
430	8.0	0.905	0.664	
440	8.8	0.884	0.648	
450	10.0	0.867	0.636	
460	11.3	0.847	0.621	
470	11.8	0.828	0.608	0.04

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

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Schedule a free online demo!

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