

## Edge Series USB High Magnification with Auto Magnification Reading

# AM4515ZT4

### Product Overview

The AM4515ZT4 Dino-Lite Edge features a High Magnification range of 400x - 470x with Automatic Magnification Reading (AMR) and delivers higher image quality with a state-of-the-art lens design, providing matchless image quality with stunning sharpness, least aberration, and least vignetting.

Using the included software, the AM4515ZT4 can detect and display the magnification, and store it with the captured picture automatically, making it especially useful for applications when reading the magnification is not feasible or difficult. The AMR also brings more accuracy by eliminating the process of visually reading the magnification, while keeping the possibility to be further calibrated in the included software. LED Control gives you command of the LED on/off toggle options. The freely adjustable polarizer helps to reveal more detail or to enhance the contrast on the surface by reducing or eliminating the reflections. This model includes the adaptable cap design, a detachable and interchangeable front cap design used in the Dino-Lite Edge series. Different caps have been developed for better adaptability for more applications.



### Details

<b>LEDs</b>	White (8)
<b>Polarization</b>	Yes
<b>Magnification Range</b>	400x - 470x
<b>Working Distance</b>	Standard
<b>Lens Type</b>	Glass
<b>Sensor Type</b>	CMOS
<b>Resolution</b>	1280 × 1024 pixels
<b>Megapixels</b>	1.3 MP

<b>Frame Rate (max)</b>	30 FPS
<b>Operating System</b>	Windows XP, Vista, 7, 8, 10, Mac OS 10.5+
<b>Included Software</b>	DinoCapture 2.0 (Windows), DinoXcope (Mac OS)
<b>Connection Type</b>	USB 2.0
<b>Image Save Formats (Windows)</b>	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX
<b>Video Save Formats (Windows)</b>	WMV, FLV, SWF
<b>Video Save Formats (Mac OS)</b>	MOV
<b>Imaging Standards</b>	UVC
<b>Dimensions</b>	10.5cm (L) x 3.2cm (D) (4.13" x 1.26")
<b>Weight</b>	100g (3.7 oz)
<b>Cable Length</b>	182cm (71.65 in)
<b>Magnification Lock</b>	Yes
<b>Body Material</b>	ABS Plastic
<b>Measurement</b>	Yes
<b>Microtouch Sensor</b>	Yes
<b>Package Includes</b>	Microscope, Carry Pouch, Software CD, Edge Calibration Target, Alternate end cap
<b>Warranty Period</b>	2 years
<b>Manufactured in</b>	Taiwan
<b>Service &amp; Support</b>	U.S. (www.dinolite.us) English & Spanish

## Working Distance & Magnification Charts

Unit: mm

Magnification	400	410	420	430	440	450	460	470
<b>Working Distance</b>	5.1	6.0	7.3	8.0	8.8	10.0	11.3	11.8
<b>Field of View</b>	0.971 x 0.713	0.951 x 0.697	0.926 x 0.680	0.905 x 0.664	0.884 x 0.648	0.867 x 0.636	0.847 x 0.621	0.828 x 0.608
<b>Depth of Field</b>	0.0261							0.0289

Unit: Inch

Magnification	400	410	420	430	440	450	460	470
<b>Working Distance</b>	0.201	0.236	0.287	0.315	0.346	0.394	0.445	0.465
<b>Field of View</b>	0.038 x 0.028	0.037 x 0.027	0.036 x 0.027	0.036 x 0.026	0.035 x 0.026	0.034 x 0.025	0.033 x 0.024	0.033 x 0.024
<b>Depth of Field</b>	0.001							0.001

Web page: <https://www.dinolite.us/products/am4515zt4>

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