

## Edge Series USB Microscope with Auto Magnification Reading & LWD

# AM4515ZTL

### Product Overview

The AM4515ZTL Dino-Lite Edge features 5x - 140x magnification with Longer Working Distance, 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 throughout the whole magnification range. The longer working distance allows users to have more distance between the microscope and the object in view.

Using the included software, the AM4515ZTL 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. AMR also brings more accuracy by eliminating the process of visually reading the magnification, while keeping the possibility to be further calibrated by the existing calibration function in DinoCapture 2.0. 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>	5x - 140x
<b>Working Distance</b>	Long
<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 caps
<b>Warranty Period</b>	2 years
<b>Manufactured in</b>	Taiwan
<b>Service &amp; Support</b>	U.S. ( <a href="http://www.dinolite.us">www.dinolite.us</a> ) English & Spanish

## Working Distance & Magnification Charts

Unit: mm

Magnification	10	20	30	40	50	60	70	80	90	100	110	120	130	140
<b>Working Distance</b>	234.5	112.5	72.5	54.5	43.5	37.5	33.7	31.3	29.9	29.2	29.1	29.3	29.8	30.5
<b>Field of View</b>	39.0 x 31.2	19.5 x 15.6	13.0 x 10.4	9.8 x 7.8	7.8 x 6.2	6.5 x 5.2	5.6 x 4.5	4.9 x 3.9	4.3 x 3.5	3.9 x 3.1	3.5 x 2.8	3.3 x 2.6	3.0 x 2.4	2.8 x 2.2
<b>Depth of Field</b>	12	4.5	3.1	1.8	1.2	0.9	0.6	0.5	0.37	0.28	0.22	0.17	0.12	0.09

Unit: Inch

Magnification	10	20	30	40	50	60	70	80	90	100	110	120	130	140
<b>Working Distance</b>	9.232	4.429	2.854	2.146	1.713	1.476	1.327	1.232	1.177	1.150	1.146	1.154	1.173	1.201
<b>Field of View</b>	1.535 x 1.228	0.768 x 0.614	0.512 x 0.409	0.386 x 0.307	0.307 x 0.244	0.256 x 0.205	0.220 x 0.177	0.193 x 0.154	0.169 x 0.138	0.154 x 0.122	0.138 x 0.110	0.130 x 0.102	0.118 x 0.094	0.110 x 0.087
<b>Depth of Field</b>	0.472	0.177	0.122	0.071	0.047	0.035	0.024	0.020	0.015	0.011	0.009	0.007	0.005	0.004

Web page: <https://www.dinolite.us/products/am4515ztl>

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