

Edge Series USB Microscope with Wide FOV, Long Distance & Polarizer

AM4115ZTW

Product Overview

The AM4115ZTW Dino-Lite Edge delivers higher image quality with Larger Field-of-View (FOV) and Depth-of-Field (DOF), which makes it ideal for macro viewing applications. With a working distance of more than 1cm from the target, once in focus, rotating the knob will receive another focal point, and thus effectively zoom in the image optically. This offers the capability of looking into more detail while enjoying a larger field of view.

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 more applications. Simply removing the cap would yield more working distance which brings added convenience in the higher magnification range, or have better accessibility to the full range of magnification.



Details

LEDs	White (8)
Polarization	Yes
Magnification Range	2x - 50x
Working Distance	Long
Lens Type	Glass
Sensor Type	CMOS
Resolution	1280 × 1024 pixels
Megapixels	1.3 MP

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

Working Distance & Magnification Charts

Unit: mm

Magnification	T	50	40	30	20	15	W	30	20	15	10	5
Working Distance	T	17.5	37.5	67.5	127.5	177.5	W	17.5	37.5	47.5	67.5	177.5
Field of View	T	9 x 7	11 x 9	15 x 12	23 x 19	30 x 24	W	14 x 11	25 x 20	31 x 25	41 x 33	98 x 78
Depth of Field	T	3	4	6			W	6				

Unit: Inch

Magnification	T	50	40	30	20	15	W	30	20	15	10	5
Working Distance	T	0.689	1.476	2.657	5.020	6.988	W	0.689	1.476	1.870	2.657	6.988
Field of View	T	0.354 x 0.276	0.433 x 0.354	0.591 x 0.472	0.906 x 0.748	1.181 x 0.945	W	0.551 x 0.433	0.984 x 0.787	1.220 x 0.984	1.614 x 1.299	3.858 x 3.071
Depth of Field	T	0.118	0.157	0.236			W	0.236				

Web page: <https://www.dinolite.us/products/am4115ztw>

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