

Edge Series USB Microscope Camera with Polarizer

AM4115ZT

Product Overview

The AM4115ZT Dino-Lite Edge delivers higher image quality with a state-of-the-art lens design, providing matchless image quality with stunning sharpness, less aberration, and less vignetting throughout the whole magnification range which is apparent in the whole Dino-Lite Edge Series.



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 also includes the adaptable cap design, which is a detachable and interchangeable front cap design used in the Dino-Lite Edge series aimed at satisfying various applications. Different caps have been developed for better adaptability 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	10x - 220x
Working Distance	Standard
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	20	30	40	50	100	150	200	220
Working Distance	60.2	33.5	20.9	13.9	4.1	5.6	9.9	11.9
Field of View	19.5 x 15.6	13 x 10.4	9.8 x 7.8	7.8 x 6.3	3.9 x 3.1	2.6 x 2.1	2 x 1.6	1.8 x 1.4
Depth of Field	2.5	1.8	1.5					0.1

Unit: Inch

Magnification	20	30	40	50	100	150	200	220
Working Distance	2.370	1.319	0.823	0.547	0.161	0.220	0.390	0.469
Field of View	0.768 x 0.614	0.512 x 0.409	0.386 x 0.307	0.307 x 0.248	0.154 x 0.122	0.102 x 0.083	0.079 x 0.063	0.071 x 0.055
Depth of Field	0.098	0.071	0.059					0.004

Web page: <https://www.dinolite.us/products/am4115zt>

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