

AM4517MT8A

Dino-Lite Edge^{Plus}



Summary

With a built-in coaxial light, Edge^{PLUS} AM4517MT8A is a high-sensitivity digital microscope that provides clear and high contrast images of highly reflective surfaces. AM4517MT8A can switch between coaxial-brightfield and darkfield illumination for the effective viewing of edges, pores, dents, scratches, and other topographical features.

Overview

Brightfield/Darkfield

With built-in brightfield and darkfield illumination, users have more flexibility for viewing targets under different types of lighting configurations.

High optical resolution with up to 900X magnifications

With superior optics, this Edge^{PLUS} model is capable of revealing some of the finest details within a range of 700-900X magnifications.

1.3 Megapixels

Thanks to MJPEG compression, the advanced CMOS image sensor can transmit fluid and crisp images at 30 FPS with resolution up to 1280x960.

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 to the four LED quadrants in addition to the 6-levels intensity adjustment capability.

Robust Housing

The metal housing made of aluminum alloy offers compelling advantages of protection and endurance.

Scroll Lock

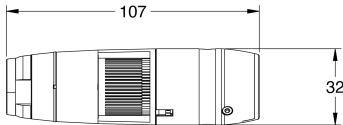
The scroll lock ensures the focus knob staying at the desired focus or magnification position without worry of unintentional movement.

Interchangeable caps

The interchangeable caps provide adaptability to numerous applications with alternative lighting or object interface.

Specification

Model	AM4517MT8A
Series	Dino-Lite Edge ^{PLUS}
Interface	USB 2.0 (Micro-B)
Resolution	1.3 Megapixel (1280 x 960)
Magnification	700x ~ 900x
Frame Rate	30 fps at 1.3MP, MJPEG 30 fps 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
Microtouch	Yes
Scroll Lock	Yes
Illumination	White Light, 8 LEDs
Included Cables	1.8 m Micro-B to Type-C Cable 1.8 m Micro-B to Type-A Cable
Included Front Caps	N3C-C (Close Cap) N3C-E (Extended Open Cap) N3C-O (Open Cap) (View more front cap details)
Unit Dimension	107 mm (H) x 32 mm (D) 
Unit Weight	Approx. 90 g

Optical Data Table

M	WD	FOV (x)	FOV (y)	DOF
700	6.4	0.56	0.400	0.01
750	6.3	0.52	0.375	0.01
800	6.1	0.48	0.350	0.009
850	6.0	0.46	0.330	0.008
900	5.9	0.43	0.315	0.009

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!

<https://www.dinolite.us/meeting>