

AM4117MZTW

Dino-Lite Edge^{PLUS}



Summary

Get clear and crisp images during micro- and macro- observations with 1.3MP Edge^{PLUS} AM4117MZTW wide field of view microscope. AM4117MZTW is a 10-50x magnification range microscope with a high sensitivity sensor that acquires high-quality images in its normal and wide field of view.

Overview

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.

Wide Field of View (WFOV)

This feature is designed to provide large FOV at a reasonable working distance while keeping a crisp image for macro-view observations.

Flexible LED Control (FLC)

Tasking with software, the FLC maximizes illumination flexibility by offering independent on/off control of the four LED quadrants in addition to the 6-levels intensity adjustment capability.

Robust metallic housing

The robust metal housing made of anodized alloy protects the Dino-lite from UV and electromagnetic interferences.

Scroll Lock

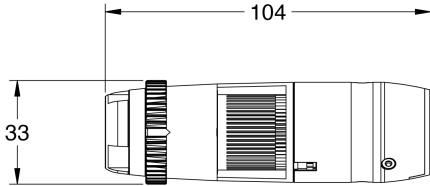
For tasks requiring a fixed magnification position for long periods, lock the focus knob, and avoid any unintentional focus shift.

Interchangeable caps

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

Specification

Model	AF4117MZTW
Series	Dino-Lite Edge ^{PLUS}
Interface	USB 2.0 (Micro-B)
Resolution	1.3 Megapixel (1280 x 960)
Magnification	10x ~ 50x
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-D (Diffuser Cap) N3C-D2 (Opal Diffuser Cap) N3C-E (Extended Open Cap) N3C-L (Long Cap) N3C-O (Open Cap) N3C-S (Sidelight Cap) (View more front cap details)
Unit Dimension	104 mm (H) x 33 mm (D) 
Unit Weight	130 g

Optical Data Table

T Zone

M	WD	FOV (x)	FOV (y)	DOF
50	14	8	6	3
40	42	10	7	5
30	64	13	10	9
20	119	20	15	21
15	182	26	20	39

W Zone

M	WD	FOV (x)	FOV (y)	DOF
30	11	13	10	6
20	25	20	15	13
15	39	26	20	22
10	68	39	29	51
5	156	78	59	250

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>