

# AM4117MZTW

## Dino-Lite Edge<sup>PLUS</sup>



### Summary

Get clear and crisp images during micro- and macro- observations with 1.3MP Edge<sup>PLUS</sup> 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

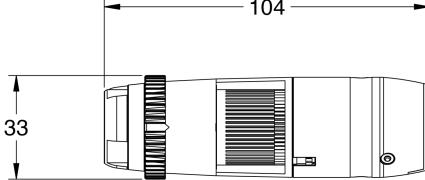
For tasks requiring a fixed magnification position for long periods, lock the focus knob, and avoid any unintentional focus shift.

### Interchangeable caps

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

## Specification

<b>Model</b>	AF4117MZTW
<b>Series</b>	Dino-Lite Edge <sup>PLUS</sup>
<b>Interface</b>	USB 2.0 (Micro-B)
<b>Resolution</b>	1.3 Megapixel (1280 x 960)
<b>Magnification</b>	10x ~ 50x
<b>Frame Rate</b>	30 fps at 1.3MP, MJPEG 30 fps at VGA, MJPEG
<b>System Requirements</b>	CPU: 2.5 GHz dual-core Intel Core i5 equivalent or greater RAM: 4 GB or more HD: 150 MB space available or more
<b>Operating System</b>	Windows 7/8/10/11 macOS 10.14 or later
<b>Saving Format</b>	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
<b>Measurement Function</b>	Yes
<b>Microtouch</b>	Yes
<b>Scroll Lock</b>	Yes

<b>Illumination</b>	White Light, 8 LEDs
<b>Included Cables</b>	1.8 m Micro-B to Type-C Cable 1.8 m Micro-B to Type-A Cable
<b>Included Front Caps</b>	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) ( <a href="#">View more front cap details</a> )
<b>Unit Dimension</b>	104 mm (H) x 33 mm (D) 
<b>Unit Weight</b>	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!

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