

AM4517MT-FUW

Dino-Lite Edge^{PLUS}



Summary

Equipped with a 375 nm UV light and a switchable white light, the Edge^{Plus} AM4517MT-FUW high sensitivity digital microscope enhances UV features of paintings, trace evidence, and security print documents.

Overview

Dual light source

Switch between white light and 375 nm UV light with the click of a button.

High sensitivity sensor

The high sensitivity sensor is especially useful for detecting low levels of UV emission.

1.3 Megapixels

Thanks to MJPEG compression, the advanced CMOS image sensor can transmit fluid and crisp images 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.

Adjustable LED intensity

The LED intensity could be adjusted within six levels for providing further illumination flexibility.

Robust metallic housing

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

Scroll Lock

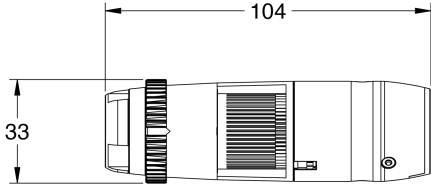
For tasks requiring a fixed magnification position for long periods, lock the focus knob, and avoid any unintentional focus shift.

Interchangeable caps

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

Specification

Model	AF4517MZT
Series	Dino-Lite Edge ^{PLUS}
Interface	USB 2.0 (Micro-B)
Resolution	1.3 Megapixel (1280 x 960)
Magnification	10x ~ 220x
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	UV Light (375 nm), 4 LEDs White Light, 4 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-EB (Extended Open Black Cap) N3C-LB (Black Long Cap) N3C-OB (Black 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

M	WD	FOV (x)	FOV (y)	DOF
10	142.8	39.1	29.3	26.1
20	59.5	19.5	14.7	5.36
30	32.9	13.0	9.8	2.58

40	20.2	9.8	7.3	1.56
50	13.2	7.8	5.9	1.07
60	9	6.5	4.9	0.79
70	6.4	5.6	4.2	0.62
80	4.8	4.9	3.7	0.5
90	4	4.3	3.3	0.42
100	3.5	3.9	2.9	0.36
110	3.3	3.6	2.7	0.31
120	3.5	3.3	2.4	0.27
130	3.8	3.0	2.3	0.24
140	4.3	2.8	2.1	0.22
150	4.9	2.6	2.0	0.2
160	5.6	2.4	1.8	0.18
170	6.4	2.3	1.7	0.17
180	7.3	2.2	1.6	0.15
190	8.2	2.1	1.5	0.14
200	9.2	2.0	1.5	0.13
210	10.2	1.9	1.4	0.13
220	11.3	1.8	1.3	0.12

M = magnification rate WD = working distance (without front cap) FOV = field of view
DOF= depth of field Unit = mm

Note: All optical data presented in the table above are conducted under white light conditions.

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