

AM6218MZTL

Dino-Lite Edge^{PLUS}



The AM6218MZTL is a digital microscope with a 10x ~ 140x magnification range and 1080p HDMI output for real-time high-definition imaging directly on a display.

Overview

HDMI Output

The HDMI output delivers lag-free Full HD 1080p video at 60 fps, making it suitable for live inspections, real-time collaboration, and presentations without the need for a computer.

High Quality Optics

The optics adopted in the Edge series reveals the finest details, answering the needs of the most demanding microscopy applications.

Smooth Full HD

The device delivers smooth and sharp Full HD video at 60 fps, making it perfect for live demonstrations and precise inspections.

Long Working Distance (LWD) Optics

The LWD optics yield more working space between the object and the microscope, making it ideal for applications such as repair or assembly.

Adjustable Polarizer

The built-in adjustable polarizer removes unwanted reflection or glare from the object's surface for better contrast.

Microtouch Control

Microtouch enables instant image freeze/unfreeze with a tap, while a long press controls the LED on/off.

Robust Metal Housing

The anodized aluminum alloy housing offers durability and EMI shielding, effectively guarding against impacts, abrasions, and electromagnetic noise.

Optical Data Table

Mag	WD	FOV (x)	FOV (y)	DOF
10x	238.2	60.69	34.14	22.95
20x	115.4	30.35	17.07	6.31
30x	75.8	20.23	11.38	3.06
40x	57.1	15.17	8.53	1.86
50x	46.7	12.14	6.83	1.28
60x	40.5	10.11	5.69	0.95
70x	36.6	8.67	4.88	0.75
80x	34.2	7.59	4.27	0.61
90x	32.9	6.74	3.79	0.51
100x	32.2	6.07	3.41	0.43
110x	32.0	5.52	3.10	0.38
120x	32.2	5.06	2.85	0.33
130x	32.8	4.67	2.63	0.30
140x	33.5	4.34	2.44	0.27

Unit = mm

Mag: Magnification

WD: Working Distance - The distance between the tip of the Dino-Lite (without cap) and the object in focus

FOV: Field of View

DOF: Depth of Field

Specification

Model	AM6218MZTL
Series	Dino-Lite Edge ^{PLUS}
Interface	HDMI
Resolution	Full HD 1080p
Sensor Size	1/2.8"
Magnification	Adjustable, 10x ~ 140x
Frame Rate	60 fps
System Requirements	Display: Monitor with HDMI Type-A input Resolution: 1080p at 60 Hz
Power Input	5V, 1A
Power Connector	USB Type-C
Microtouch	Yes

Scroll Lock	Yes
Illumination	White Light, 8 LEDs
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)
Included Cables	Type-C to Type-A Cable (1.8 m) Mini-HDMI to HDMI Cable (1.8 m)
Unit Dimension	130 mm (H) x 33 mm (D) 
Unit Weight	Approx. 120 g

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Schedule a free online demo!

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