

AM6218MZTL

Product Code: AM6218MZTL



Short Description

HDMI Output
Long Working Distance (LWD)
Adjustable Polarizer
Robust Metal Housing
60 fps

Description

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.

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.

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



HDMI
connector



Adjustable
~10x-140x



8 White LEDs
switchable



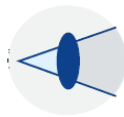
Metal
housing



Long working
distance



Resolution
1080x720 (720p)



Polarizer
anti-reflection

The main features of the AM6218MZTL are:

- HDMI Output
- High Quality Optics
- Long Working Distance
- Smooth Full HD
- Adjustable Polarizer
- Microtouch Control
- Robust Metal Housing

Optical Data Table

Magnification Rate	Working Distance *	Field of View (x)	Field of View (y)	Depth of Field
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

Listed values
may differ
slightly

* Without front
cap

Unit = mm

Specification

Lighting

Light/ LED type	White
Number of LEDs	8
Polarizer	Yes, linear
Optics	
Magnification	10x ~ 140x
Macro zoom	Yes
Working distance	Long
Lens type	1/2.8
Sensor	
Sensor type	CMOS
Resolution	Full HD 1080p
Maximum frame rate	60fps
Compatibility	
Interface	HDMI
Housing	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	130 mm (H) x 33 mm (D)
Weight	120 g
Cable length	Type-C to Type-A Cable (1.8 m) Mini-HDMI to HDMI Cable (1.8 m)
Features	
Microtouch sensor	Yes
Information	
Package contents	Microscope, carry pouch, calibration target, user manual, 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)
Warranty information	2 years European warranty
Regulatory approval:	CE, FCC, ROHS