

AM62918MZT

Product Code: AM62918MZT



Short Description

HDMI Output

USB?C Output

2.0 Megapixel

Depth Acquisition (DPQ)

Extended Dynamic Range (EDR)

Description

The AM62918MZT is a digital microscope with a magnification range of 10x ~ 220x, featuring both 1080p HDMI and 2-megapixel USB output options from a single device. HDMI mode offers real-time, smooth, and high-definition imaging on a display, while USB mode enables advanced PC-based functionalities through software, including AMR, eFLC, EDR, EDOF, and DPQ.

Note: HDMI and USB mode cannot be used simultaneously.



HDMI
connector



8 White LEDs
switchable



Metal
housing



The main features of the AM62918MZT are:

- HDMI Output
- USB?C Output
- High Quality Optics
- Standard
- 2.0 Megapixel
- Adjustable Polarizer
- Microtouch Control
- Robust Metal Housing
- Auto and Manual Refocus
- Enhanced Flexible LED Control (eFLC)
- Extended Dynamic Range (EDR)
- Extended Depth of Field (EDOF)
- Depth Acquisition (DPQ)
- Automatic Magnification Readout (AMR)

Optical Data Table

Magnification	Working Distance (mm)	Field of View (X) (mm)	Field of View (Y) (mm)	Depth of Field (mm)
10x	144.1	60.69	34.14	18.56
20x	61.0	30.35	17.07	5.35
30x	34.3	20.23	11.38	2.69
40x	21.6	15.17	8.53	1.69
50x	14.6	12.14	6.83	1.19
60x	10.4	10.11	5.69	0.91
70x	7.8	8.67	4.88	0.72
80x	6.2	7.59	4.27	0.60
90x	5.2	6.74	3.79	0.51
100x	4.8	6.07	3.41	0.44
110x	4.7	5.52	3.10	0.39
120x	4.8	5.06	2.85	0.34

130x	5.1	4.67	2.63	0.31
140x	5.6	4.34	2.44	0.28
150x	6.3	4.05	2.28	0.26
160x	7.0	3.79	2.13	0.24
170x	7.8	3.57	2.01	0.22
180x	8.6	3.37	1.90	0.21
190x	9.6	3.20	1.80	0.19
200x	10.6	3.03	1.71	0.18
210x	11.6	2.89	1.63	0.17
220x	12.6	2.76	1.55	0.16

Specification

Lighting	
Light/ LED type	White
Number of LEDs	8
Polarizer	Yes, linear
Optics	
Magnification	10x ~ 220x
Working distance	Standard
Lens type	1/2.8
Sensor	
Sensor type	CMOS
Resolution	2.0 Megapixel (1920x1080)
Maximum frame rate	30 fps
Compatibility	
Interface	USB 2.0 (Type-C) and HDMI
Software	DinoCapture 2.0 (Windows), DinoCapture 3.0 (Windows), DinoXcope (Mac OS)
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-C Cable (1.8 m) Type-C to Type-A Cable (1.8 m) Mini-HDMI to HDMI Cable (1.8 m)
Features	
Special feature	Enhanced Flexible LED Control (eFLC), Depth Acquisition (DPQ), Extended Depth of Field (EDOF), Extended Dynamic Range (EDR), Auto and Manual Refocus, Automatic Magnification Readout (AMR)

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