

AG5515MZT

Product Code: AG5515MZT



Short Description

Global Shutter

2.0 Megapixel

Enhanced Flexible LED Control (eFLC)

Extended Dynamic Range (EDR)

Automatic Magnification Readout (AMR)

Description

Using its global shutter sensor, the AG5515MZT delivers distortion-free live imaging of moving subjects. For dynamic inspections and motion analysis, a software trigger function provides an adjustable frame rate for time-interval observation, supporting applications such as microfluidics and micromechanics. This model features a 2-megapixel sensor, 10x ~ 220x magnification, and professional tools such as AMR, eFLC, and EDR.



USB 2.0



2,0 Megapixel
1920 x 1080



Adjustable
~10-220x



Magnification
lock



Polarizer
anti-reflection



Exchangeable
cap



Enhanced Flexible LED control



Automatic Magnification Reading (AMR)



Extended Dynamic Range EDR



Measurement functionality



8 White LEDs switchable



Standard working distance



Metal housing



Global Shutter

The main features of the AG5515MZT are:

Global Shutter

High Quality Optics

2.0 Megapixel

Software Trigger

Enhanced Flexible LED Control (eFLC)

Adjustable Polarizer

Extended Dynamic Range (EDR)

Automatic Magnification Readout (AMR)

Robust Metal Housing

Working distance/field of view/depth of field

Magnification Rate	Working Distance *	Field of View (x)	Field of View (y)	Depth of Field
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Listed values may differ slightly

* Without front cap

Unit = mm

10x	137.3	60.70	34.14	24.49
20x	57.2	30.35	17.07	6.62
30x	31.4	20.23	11.38	3.17
40x	19.3	15.17	8.54	1.91
50x	12.6	12.14	6.83	1.30
60x	8.7	10.12	5.69	0.96
70x	6.2	8.67	4.88	0.75
80x	4.8	7.59	4.27	0.60
90x	4.0	6.74	3.79	0.50
100x	3.7	6.07	3.41	0.43
110x	3.6	5.52	3.10	0.37
120x	3.9	5.06	2.85	0.32
130x	4.3	4.67	2.63	0.29
140x	4.9	4.34	2.44	0.26

150x	5.6	4.05	2.28	0.23
160x	6.4	3.79	2.13	0.21
170x	7.2	3.57	2.01	0.20
180x	8.2	3.37	1.90	0.18
190x	9.2	3.19	1.80	0.17
200x	10.2	3.03	1.71	0.16
210x	11.3	2.89	1.63	0.15
220x	12.4	2.76	1.55	0.14

Specification

Lighting	
Light/ LED type	White
Number of LEDs	8
Polarizer	Yes
Optics	
Magnification	10x ~ 220x
Working distance	Standard
Lens type	Global Shutter
Sensor	
Sensor type	CMOS
Resolution	2.0 Megapixel (1920 x 1080)
Maximum frame rate	30 fps
Compatibility	
Interface	USB 2.0
Operating system	Windows 10/11
Software	DinoCapture 2.0, DinoCapture 3.0 (Windows)
Supported image formats (Windows)	BMP, PNG, TIF, JPG
Supported video formats (Windows)	DinoCapture 2.0: WMV, FLV, SWF. DinoCapture 3.0: MP4
Housing	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	130 mm (H) x 33 mm (D)
Weight	Approx. 120 g
Cable length	Type-C to Type-C Cable with Screw Lock (1.8 m) Type-C to. Type-A Cable with Screw Lock (1.8 m)
Features	
Special feature	Enhanced Flexible LED Control (eFLC), Extended Dynamic Range (EDR), Automatic Magnification Readout (AMR)
Measurement	Yes

Calibration	Yes
Microtouch sensor	Yes
Information	
Package contents	Microscope, carry pouch, 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
Price range	€1100,00 - €1300,00