AM8917MZTL



Product Code: AM8917MZTL Edge Plus

Short Description

High Optical Resolution 8.0 Megapixel Enhanced Flexible LED Control (eFLC) Automatic Magnification Reading (AMR) Long Working Distance Automatic Magnification Reading (AMR)

Description

Capture stunning images with the AM8917MZTL 8-megapixel long working distance digital microscope. Engineered with a comprehensive set of features, including AMR, this model is designed to excel in both imaging and measurement-oriented tasks.



Metal housing



Enhanced Flexible LED control



Adjustable ~10x-140x



8,0 Megapixels 3840 x 2160





8 White LEDs switchable











The main features of the AM8917MZTL are:

- 8 Megapixels
- High Optical Resolution
- Automatic Magnification Reading (AMR)
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Depth Acquisition (DPQ)
- Enhanced Flexible LED Control (eFLC)
- Long Working Distance (LWD) Optics
- Adjustable Polarizer
- Robust Metal Housing
- $10x \sim 140x$ magnification (Edge shading occurs below 25x when previewing in 16:9 windows.)
- And more...

Optical Data Table

I WORKING	FIELD OF	FIELD OF	DEPTH OF
DISTANCE *	VIEW(X)	VIEW(Y)	FIELD
237.5	60.69	34.14	25.82
115.3	30.35	17.07	6.89
75.9	20.23	11.38	3.50
57.3	15.17	8.53	2.23
47.0	12.14	6.83	1.59
40.8	10.11	5.69	1.22
36.9	8.67	4.88	0.98
34.6	7.59	4.27	0.82
33.2	6.74	3.79	0.70
32.6	6.07	3.41	0.61
32.4	5.52	3.10	0.53
32.7	5.06	2.85	0.48
33.2	4.67	2.63	0.43
33.9	4.34	2.44	0.39
	DISTANCE * 237.5 115.3 75.9 57.3 47.0 40.8 36.9 34.6 33.2 32.6 32.4 32.7 33.2	DISTANCE * VIEW(X) 237.5 60.69 115.3 30.35 75.9 20.23 57.3 15.17 47.0 12.14 40.8 10.11 36.9 8.67 34.6 7.59 33.2 6.74 32.6 6.07 32.4 5.52 32.7 5.06 33.2 4.67	DISTANCE * VIEW(X) VIEW(Y) 237.5 60.69 34.14 115.3 30.35 17.07 75.9 20.23 11.38 57.3 15.17 8.53 47.0 12.14 6.83 40.8 10.11 5.69 36.9 8.67 4.88 34.6 7.59 4.27 33.2 6.74 3.79 32.6 6.07 3.41 32.4 5.52 3.10 32.7 5.06 2.85 33.2 4.67 2.63

Listed values may differ slightly * Without front

Unit = mm

Specification

(Windows) Supported video formats (Windows) Housing Housing material Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Information Package contents N3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-D2 (Opal Diffuser Cap) N3C-E (Extended Open	Specification	
Number of LEDs Optics Magnification I0x ~ 140x Working distance Sensor Sensor Sensor type CMOS Resolution Maximum frame rate I0 fps at 8.0 MP, MJPEG 25 fps at 2.0 MP, MJPEG Compatibility Interface USB 2.0 Operating system Supported image formats (Windows) Windows) Windows Windows) Housing Housing Housing material Dimensions I30 mm (H) x 33 mm (D) Weight I20 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Microtouch sensor Information Package contents N3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-E (Extended Open Cap) N3C-L (Long Cap) N3C-O (Open Cap) N3C-S (Sidelight Cap) Warranty information Regulatory approval: CE, FCC, ROHS	Lighting	
Optics Magnification 10x ~ 140x Working distance 237.5 ~ 33.9 mm Sensor Sensor type CMOS Resolution 8.0 Megapixel (3840x2160) Maximum frame rate 10 fps at 8.0 MP, MJPEG 25 fps at 2.0 MP, MJPEG Compatibility Interface USB 2.0 Operating system Supported image formats (Windows) UP2, JPC, JPG, PGX, RAS, PNM Supported video formats (Windows) Housing Housing material Metal housing Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Information Package contents N3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-D2 (Opal Diffuser Cap) N3C-D2 (Opal Diffuser Cap) N3C-S (Sidelight Cap) Warranty information Regulatory approval: CE, FCC, ROHS	Light/ LED type	White
Magnification10x ~ 140xWorking distance237.5 ~ 33.9 mmSensorCMOSResolution8.0 Megapixel (3840x2160)Maximum frame rate10 fps at 8.0 MP, MJPEG 25 fps at 2.0 MP, MJPEGCompatibilityInterfaceUSB 2.0USB 2.0Operating systemWindows 10/11Supported image formats (Windows)BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNMSupported video formats (Windows)WMV, FLV, SWFHousingWMV, FLV, SWFHousing materialMetal housingDimensions130 mm (H) x 33 mm (D)Weight120 gFeaturesEDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only.MeasurementYesCalibrationYesMicrotouch sensorYesInformationYesPackage contentsN3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-D (Open Cap) N3C-D (Open Cap) N3C-L (Long Cap) N3C-O (Open Cap) N3C-S (Sidelight Cap)Warranty information2 years European warrantyRegulatory approval:CE, FCC, ROHS	Number of LEDs	8
Working distance Sensor Sensor type CMOS Resolution 8.0 Megapixel (3840x2160) Maximum frame rate 10 fps at 8.0 MP, MJPEG 25 fps at 2.0 MP, MJPEG Compatibility Interface USB 2.0 Operating system Supported image formats (Windows) USB 2.0 Supported video formats (Windows) Windows) Workindows Workindows Housing Housing material Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Package contents N3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-D (Open Cap) N3C-S (Sidelight Cap) Warranty information Regulatory approval: CMOS 8.0 Megapixel (3840x2160) 8.0 Megapixel (3840x21	Optics	
Sensor type CMOS Resolution 8.0 Megapixel (3840x2160) Maximum frame rate 10 fps at 8.0 MP, MJPEG 25 fps at 2.0 MP, MJPEG Compatibility Interface USB 2.0 Operating system Windows 10/11 Supported image formats (Windows) JP2, JPC, JPG, PGX, RAS, PNM Supported video formats (Windows) Housing Housing material Metal housing Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Yes Information Package contents N3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-D2 (Opal Diffuser Cap) N3C-S (Sidelight Cap) Warranty information 2 years European warranty Regulatory approval: CE, FCC, ROHS	Magnification	$10x \sim 140x$
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Resolution 8.0 Megapixel (3840x2160) Maximum frame rate 10 fps at 8.0 MP, MJPEG 25 fps at 2.0 MP, MJPEG Compatibility Interface USB 2.0 Operating system Windows 10/11 Supported image formats (Windows) JP2, JPC, JPG, PGX, RAS, PNM Supported video formats (Windows) Housing Housing material Metal housing Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Information Package contents N3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-D2 (Opal Diffuser Cap) N3C-S (Sidelight Cap) Warranty information Regulatory approval: CE, FCC, ROHS	Sensor	
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MJPEG Compatibility Interface USB 2.0 Operating system Supported image formats (Windows) JP2, JPC, JPG, PGX, RAS, PNM Supported video formats (Windows) Housing Housing material Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Information Package contents 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 Regulatory approval: CE, FCC, ROHS	Resolution	8.0 Megapixel (3840x2160)
Compatibility Interface USB 2.0 Operating system Supported image formats (Windows) JP2, JPC, JPG, PGX, RAS, PNM Supported video formats (Windows) Housing Housing Housing material Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Information Package contents N3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-D2 (Opal Diffuser Cap) N3C-Gap) N3C-L (Long Cap) N3C-O (Open Cap) N3C-S (Sidelight Cap) Warranty information Regulatory approval: CE, FCC, ROHS	Maximum frame rate	10 fps at 8.0 MP, MJPEG 25 fps at 2.0 MP,
Interface USB 2.0 Operating system Windows 10/11 Supported image formats (Windows) Supported video formats (Windows) Housing Housing material Metal housing Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Yes Information Package contents 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 Regulatory approval: CE, FCC, ROHS		MJPEG
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Supported video formats (Windows) Housing Housing material Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Information Package contents 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 Regulatory approval: CE, FCC, ROHS	Supported image formats	BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP,
(Windows) Housing Housing material Metal housing Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Information Package contents 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 Regulatory approval: CE, FCC, ROHS	(Windows)	JP2, JPC, JPG, PGX, RAS, PNM
Housing material Metal housing Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Yes Information Package contents 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	Supported video formats	WMV, FLV, SWF
Housing material Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Information Package contents 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 Regulatory approval: CE, FCC, ROHS	(Windows)	
Dimensions 130 mm (H) x 33 mm (D) Weight 120 g Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Information Package contents 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 Regulatory approval: CE, FCC, ROHS	Housing	
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Features Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Information Package contents 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	Dimensions	130 mm (H) x 33 mm (D)
Special feature EDOF, EDR, DPQ, and Auto/Manual Refocus are available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Information Package contents 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 Regulatory approval: CE, FCC, ROHS	Weight	120 g
available on Windows PC only. Measurement Yes Calibration Yes Microtouch sensor Yes Information Package contents 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	Features	
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Microtouch sensor Information Package contents 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	Measurement	Yes
Information Package contents 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	Calibration	Yes
Package contents 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	Microtouch sensor	Yes
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	Information	
Cap) N3C-L (Long Cap) N3C-O (Open Cap) N3C-S (Sidelight Cap) Warranty information 2 years European warranty Regulatory approval: CE, FCC, ROHS	Package contents	N3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-
S (Sidelight Cap) Warranty information 2 years European warranty Regulatory approval: CE, FCC, ROHS		D2 (Opal Diffuser Cap) N3C-E (Extended Open
Warranty information 2 years European warranty Regulatory approval: CE, FCC, ROHS		Cap) N3C-L (Long Cap) N3C-O (Open Cap) N3C-
Regulatory approval: CE, FCC, ROHS		S (Sidelight Cap)
Price range €1500,00 - €1700,00	Regulatory approval:	
	Price range	€1500,00 - €1700,00