

AM8517MT-FUW

Product Code: AM8517MT-FUW



Short Description

8.0 Megapixel

High Sensitivity Sensor

High Optical Resolution

Automatic Magnification Readout (AMR)

Robust Metal Housing

Description

Equipped with dual lighting, the AM8517MT-FUW 8-megapixel microscope features 375 nm LEDs for UV applications and white LEDs for high color fidelity imaging. This microscope is suitable for industrial inspections, forensic analysis, counterfeit detection, and other applications where high-quality imaging and UV lighting is required.

Working distance/field of view/depth of field

M	WD	FOV (x)	FOV (y)	DOF
20	57.5	30.35	17.07	5.94
30	31.8	20.23	11.38	2.84
40	19.7	15.17	8.53	1.71
50	13.0	12.14	6.83	1.17
60	9.0	10.11	5.69	0.86
70	6.6	8.67	4.88	0.67
80	5.2	7.59	4.27	0.54

90	4.4	6.74	3.79	0.45
100	4.0	6.07	3.41	0.38
110	4.0	5.52	3.10	0.33
120	4.3	5.06	2.85	0.29
130	4.7	4.67	2.63	0.26
140	5.3	4.34	2.44	0.23
150	6.0	4.05	2.28	0.21
160	6.8	3.79	2.13	0.19
170	7.6	3.57	2.01	0.18
180	8.6	3.37	1.90	0.16
190	9.6	3.20	1.80	0.15
200	10.6	3.03	1.71	0.14
210	11.7	2.89	1.63	0.13
220	12.8	2.76	1.55	0.12

Specification

Lighting	
Light/ LED type	375 nm UV
Number of LEDs	4 UV + 4 White
LED on/off switchable:	Yes
Infrared filter	No
Diffuser available	No
Optics	
Magnification	20x ~ 220x
Sensor	
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 macOS 10.14 or later
Supported image formats (Windows)	DinoCapture 2.0: BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM
Supported video formats (Windows)	DinoCapture 2.0: WMV, FLV, SWF
Supported image formats (MacOS)	DinoXcope: PNG, JPEG
Supported video formats (MacOS)	DinoXcope: MOV
Housing	
Magnification lock	Yes

Dimensions	130 mm (H) x 32 mm (D)
Weight	Approx. 118 g
Cable length	Approx. 1.8 m
Features	
Special feature	Auto and Manual Refocus
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
Information	
Package contents	Microscope, carry pouch, calibration target, user manual, Microscope, carry pouch, calibration target, user manual, N3C-C (Close Cap) N3C-EB (Extended Open Black Cap) N3C-L (Long Cap) N3C-OB (Black Open Cap) N3C-S (Sidelight Cap)
Warranty information	2 years European warranty
Regulatory approval	CE, FCC, ROHS
Price range	€1200,00 - €1400,00