

# AM8517MT-FUW



**Brand:**  
**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	White LED   375 nm LED
Optics	
Magnification	20x ~ 220x
Sensor	
Resolution	8.0 Megapixel (3840 x 2160)
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	

Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
<b>Information</b>	
Package contents	Microscope, carry pouch, calibration target, user manual, N3C-O- Open cap, N3C-C- Closed cap, N3C-D- Diffuser cap, N3C-E- Extension cap, N3C-L- Long cap, N3C-S- Side light cap
Warranty information	2 years European warranty
Regulatory approval	CE, FCC, ROHS
Price range	€1250,00 - €1400,00