

AM8917MT4A

Product Code: AM8917MT4A



Short Description

8.0 Megapixel

Enhanced Flexible LED Control (eFLC, with coaxial light)

Depth Acquisition (DPQ)

Extended Depth of Field (EDOF)

Automatic Magnification Readout (AMR)

Description

The AM8917MT4A is a feature-packed microscope integrated with coaxial light and EDOF, answering needs for inspecting reflective surfaces and capturing all-in-focus images under 400x magnification. AM8917MT4A includes advanced features such as DPQ, EDR, AMR, and both Auto and Manual Refocusing.

Working distance/field of view/depth of field

M	WD	FOV (x)	FOV (y)	DOF
415	8.6	1.46	0.82	0.04
420	8.6	1.44	0.81	0.04
430	8.5	1.41	0.79	0.04
440	8.5	1.38	0.78	0.04
450	8.4	1.35	0.76	0.04
460	8.4	1.32	0.74	0.04

Specification

Lighting	
Light/ LED type	White LED
Optics	
Magnification	415x ~ 460x
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	133 mm (H) x 32 mm (D)
Weight	Approx. 124 g
Cable length	Approx. 1.8 m
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	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