

AM7515MT4A



The AM7515MT4A is a 5MP Dino-Lite Edge Series microscope that has a magnification range of 415x - 470x with built-in coaxial illumination. By using the Flexible LED Control (FLC), this model is capable of switching between or mixing, brightfield and coaxial illumination.



The coaxial illumination technique reveals details that are very difficult to see under normal light, for example when inspecting wafer plates, microchips or other microelectronics. The AM7515MT4A includes the Automatic Magnification Reading (AMR) feature which automatically detects and displays the magnification in the included Dino-Lite software. These unique features make the Dino-Lite AM7515MT4A a great inspection tool for material analysis, electronics inspection, or any similar application that requires high magnification, coaxial illumination, versatility and mobility. The Dino-Lite AM7515MT4A is bundled with the user-friendly DinoCapture 2.0 software for Windows. For this model it includes functions such as Automatic Magnification Reading (AMR), Flexible LED Control (FLC), calibration, measurement, capturing & annotating images, and recording video. When focusing at such high magnification it is recommended to use a high-precision stand. The Dino-Lite RK-10A for example is a great add-on, it is a sturdy and stable high-end stand solution constructed of resilient stainless steel and lightweight aluminum and offers a very precise fine-focus adjustment.

ADDITIONAL INFO

DETAILS

Dino-Lite range: Dino-Lite High Magnification

LIGHTING

Light/ LED type: White
Number of LEDs: 8
LED on/off switchable: Yes
Infrared filter: IR cut-filter >650 nm
Diffuser available: No
Emission filter: No
Polarizer: No

OPTICS

Magnification: 415x~470x
Macro zoom: No
Working distance: Standard
Lens type: Glass with anti-reflection coating

SENSOR

Sensor type: CMOS
Resolution: 5 Megapixel (2592x1944)
Maximum frame rate: 30 fps

COMPATIBILITY

Interface: USB 2.0
Operating system: Windows 7, 8 & 10, MacOS 10.9 and up
Included software: DinoCapture 2.0 (Windows), DinoXcope (Mac OS)

Supported image formats (Windows): BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX

Supported video formats (Windows): WMV, FLV, SWF

Imaging standards: DirectShow, UVC

HOUSING

Housing material: Metal housing

Magnification lock: Yes

Dimensions: 10.5cm (L) x 3.2cm (D)

Weight: 140g

Cable length: 1.8m

FEATURES

Special feature: Aut. Magn. reading, Flexible LED Control (FLC), Coaxial illumination

Measurement: Yes

Calibration: Yes

Microtouch sensor: Yes

ESD safe: Yes

INFORMATION

Package contents: Microscope, Carry pouch, Software CD, User manual, Quick guide, Calibration target, Front cover

Warranty information: 2 years European warranty

Regulatory approval: CE, FCC, ROHS

Working distance/ field of view/ depth of field:

MAGNIFICATION RATE	WORKING DISTANCE*	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
415	6.0	0.951	0.697	0.03
420	7.3	0.926	0.680	
430	8.0	0.905	0.664	
440	8.8	0.884	0.648	
450	10.0	0.876	0.636	
460	11.3	0.847	0.621	
470	11.8	0.828	0.608	0.045
Listed values may differ slightly	*Without front cap			Unit = mm