AM4515ZT4



Brand: Dino-Lite
Product Code: AM4515ZT4

Short Description

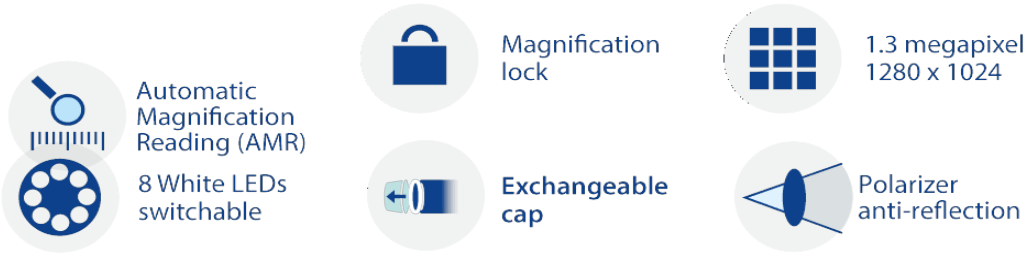
1.3 Megapixel resolution
Versatility due to exchangeable caps
400-470x magnification
Automatic Magnification Reading (AMR)
Polarizer (anti-reflection)

Description

With up to 470x magnification and high-resolution optics, this high magnification Dino-Lite model reveals details as small as 5 micrometer (µm). It also features a greater working distance at high magnification making it easier to watch and move very small objects under the microscope.

The built-in, switchable polarizer makes the AM4515ZT4 the right choice for working with high glare materials such as jewelry, plastics and metals.





These unique features make the Dino-Lite AM4515ZT4 a great inspection tool for biomedical and scientific research, material analysis, electronics inspection, or any similar application that require high magnification, versatility and mobility. The Dino-Lite AM4515ZT4 is bundled with the user-friendly DinoCapture 2.0 software. For this model it includes functions such as a polarizer, Automatic Magnification Reading (AMR), calibration, measurement, capturing & annotating images, and record video. Although the AM4515ZT4 model can be operated handheld, a high-precision stand is recommendable. 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.

Working distance/field of view/depth of field

MAGNIFICATION RATE	WORKING DISTANCE*	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
400	5.1	0.971	0.713	
410	6.0	0.951	0.697	
420	7.3	0.926	0.680	
430	8.0	0.905	0.664	
440	8.8	0.884	0.648	
450	10.0	0.867	0.636	
460	11.3	0.847	0.621	
470	11.8	0.828	0.608	0.04
Listed values may differ slightly	***Without front cap**			**Unit = mm**

Specification

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	Yes, linear
Optics	
Magnification	400-470x
Macro zoom	No
Working distance	Standard
Lens type	Glass with anti-reflection coating
Sensor	
Sensor type	CMOS
Resolution	1.3 Megapixel (1280x1024)
Maximum frame rate	30 fps
Compatibility	
Interface	USB 2.0
Operating system	Windows 7,8,10 & 11, 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
Supported image formats (MacOS)	JPEG, PNG
Supported video formats (MacOS)	MOV
Imaging standards	DirectShow, UVC
Wifi	Wireless-ready, requires the WF-10 WiFi streamer (optional)
Housing	
Housing material	Composite/ plastic housing
Dimensions	10.5cm (L) x 3.2cm (D)
Weight	105g
Cable length	1.8m
Features	
Special feature	Automatic Magnification Reading (AMR)
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
ESD safe	No
Information	
Package contents	Microscope, carry pouch, software CD, calibration

	target, user manual, N3C-O- Open cap, N3C-C- Closed cap, N3C-E- Extension cap
Warranty information	2 years European warranty
Regulatory approval	CE, FCC, ROHS
Price range	€600,00 - €800,00