

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.



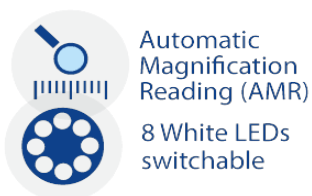
USB 2.0



Measurement
functionality



Adjustable
~500-550x



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 |