

# AM4515ZT4

**Kód produktu:** AM4515ZT4



## Short Description

1.3 Megapixel resolution

Versatility due to exchangeable caps

430x ~ 470x magnification

Automatic Magnification Reading (AMR)

Polarizer (anti-reflection)

## Popis

With up to 470x magnification and high-resolution optics, this high magnification Dino-Lite model reveals details as small as 5 micrometer ( $\mu\text{m}$ ). 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  
~400x-470x



Automatic  
Magnification  
Reading (AMR)

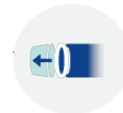
8 White LEDs  
switchable



Magnification  
lock



1.3 megapixel  
1280 x 1024



Exchangeable  
cap



Polarizer  
anti-reflection

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      |

#### Specifications

| 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                     | 430x ~ 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                                |
| 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                        | 10.3cm (L) x 3.2cm (D)                                                |
| Weight                            | 100g                                                                  |
| 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                                                             |