

# AM5216ZT

**Product Code:** AM5216ZT



## Short Description

Direct VGA connection

With magnification lock

20-220x magnification

Polarizer (anti-reflection)

High 1280x720 resolution

## Description

The Dino-Lite AM5216ZT connects directly to a VGA screen via a VGA (D-SUB) connector. It offers a high frame rate of up to 60fps at 1280x720 resolution, resulting in crystal clear images.



DVI  
connector



High speed



Adjustable  
~20x-220x



Magnification  
lock



1,3 Megapixels  
1280 x 720



8 White LEDs  
switchable



Polarizer  
anti-reflection



Standard working  
distance



Exchangeable  
cap

The AM5216ZT is the ideal choice in situations, where real time images are vital, such as

working on PCB's or other miniature objects. By tapping the Microtouch sensor on the microscope, the image can be frozen for inspection of important details and by pressing the Microtouch sensor for 2 seconds the LEDs can be switched on and off. The built-in adjustable polarizer reduces glare and reflection on shiny objects, such as metal surfaces, electronics, plastics etc. (The AM5216ZT replaces model AM5116ZT.)

» *Also available: AM5216T without polarizer*

### Working distance/field of view/depth of field

| MAGNIFICATION RATE                       | WORKING DISTANCE | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD   |
|------------------------------------------|------------------|------------------|------------------|------------------|
| <b>Listed values may differ slightly</b> |                  |                  |                  | <b>Unit = mm</b> |
| 20                                       | 60.2             | 19.5             | 15.6             | 2.5              |
| 30                                       | 33.5             | 13.0             | 10.4             | 1.8              |
| 40                                       | 20.9             | 9.8              | 7.8              | 1.5              |
| 50                                       | 13.9             | 7.8              | 6.3              | -                |
| 60                                       | 9.7              | 6.5              | 5.2              | -                |
| 70                                       | 7.1              | 5.6              | 4.5              | 1.0              |
| 80                                       | 5.5              | 4.9              | 3.9              | -                |
| 90                                       | 4.5              | 4.3              | 3.5              | -                |
| 100                                      | 4.1              | 3.9              | 3.1              | -                |
| 110                                      | 4                | 3.6              | 2.8              | -                |
| 120                                      | 4.1              | 3.3              | 2.6              | -                |
| 130                                      | 4.5              | 3                | 2.4              | -                |
| 140                                      | 5                | 2.8              | 2.2              | -                |
| 150                                      | 5.6              | 2.6              | 2.1              | -                |
| 160                                      | 6.3              | 2.4              | 2                | -                |
| 170                                      | 7.1              | 2.3              | 1.8              | -                |
| 180                                      | 8                | 2.2              | 1.7              | -                |
| 190                                      | 8.9              | 2.1              | 1.6              | -                |
| 200                                      | 9.9              | 2.0              | 1.6              | -                |
| 210                                      | 10.9             | 1.9              | 1.5              | -                |
| 220                                      | 11.9             | 1.8              | 1.4              | 0.1              |

### Specification

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| <b>Lighting</b>        |                                                                      |
| Light/ LED type        | White                                                                |
| Number of LEDs         | 8                                                                    |
| LED on/off switchable: | Yes                                                                  |
| Infrared filter        | IR cut-filter >650 nm                                                |
| Diffuser available     | Yes (N3C-D included)                                                 |
| Emission filter        | No                                                                   |
| Polarizer              | Yes, linear                                                          |
| <b>Optics</b>          |                                                                      |
| Magnification          | 20x ~ 220x                                                           |
| Macro zoom             | No                                                                   |
| Working distance       | Standard                                                             |
| Lens type              | Glass with anti-reflection coating                                   |
| <b>Sensor</b>          |                                                                      |
| Sensor type            | CMOS                                                                 |
| Resolution             | 1280x720 (720p)                                                      |
| Maximum frame rate     | 60 fps                                                               |
| <b>Compatibility</b>   |                                                                      |
| Interface              | VGA (D-Sub)                                                          |
| Wifi                   | No                                                                   |
| <b>Housing</b>         |                                                                      |
| Housing material       | Composite/ plastic housing                                           |
| Magnification lock     | Yes                                                                  |
| Dimensions             | 10.5cm (L) x 3.2cm (D)                                               |
| Weight                 | 105g                                                                 |
| Cable length           | 0.6m                                                                 |
| <b>Features</b>        |                                                                      |
| Special feature        | No                                                                   |
| Calibration            | No                                                                   |
| Microtouch sensor      | Yes                                                                  |
| ESD safe               | No                                                                   |
| <b>Information</b>     |                                                                      |
| Package contents       | Microscope, carry pouch, power adapter, front cover box, user manual |
| Warranty information   | 2 years European warranty                                            |
| Regulatory approval    | CE, FCC, ROHS                                                        |
| Price range            | €600,00 - €800,00                                                    |

## Product Gallery

