

# AM5216ZTL

**Brand:**

**Product Code:** AM5216ZTL



## Short Description

Direct VGA connection

With magnification lock

10-140x magnification

Long working distance

Polarizer (anti-reflection)

High 1280x720 resolution

## Description

The Dino-Lite AM5216ZTL 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



Continuous  
~10x - 140x



Magnification  
lock



Resolution  
1080 x 720 (720p)



8 White LEDs  
switchable



Together with the long working distance of up to 15 centimeters the AM5216ZTL 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 AM5216ZTL replaces model AM5116ZTL.)

» **Also available: AM5216TL 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> |
| 10                                       | 234.5            | 39.0             | 22               | 12               |
| 20                                       | 112.5            | 19.5             | 11               | 4.5              |
| 30                                       | 72.5             | 13.0             | 7.3              | 3.1              |
| 40                                       | 54.5             | 9.8              | 5.5              | 1.8              |
| 50                                       | 43.5             | 7.8              | 4.4              | 1.2              |
| 60                                       | 37.5             | 6.5              | 3.7              | 0.9              |
| 70                                       | 33.7             | 5.6              | 3.2              | 0.6              |
| 80                                       | 31.3             | 4.9              | 2.8              | 0.5              |
| 90                                       | 29.9             | 4.3              | 2.4              | 0.37             |
| 100                                      | 29.2             | 3.9              | 2.2              | 0.28             |
| 110                                      | 29.1             | 3.5              | 2                | 0.22             |
| 120                                      | 29.3             | 3.3              | 1.9              | 0.17             |
| 130                                      | 29.8             | 3.0              | 1.7              | 0.12             |
| 140                                      | 30.5             | 2.8              | 1.6              | 0.09             |

### Specification

Lighting

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| 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                                                          |
| Optics                 |                                                                      |
| Magnification          | 10x ~ 140x                                                           |
| Macro zoom             | No                                                                   |
| Working distance       | Long                                                                 |
| Lens type              | Glass with anti-reflection coating                                   |
| Sensor                 |                                                                      |
| Sensor type            | CMOS                                                                 |
| Resolution             | 1280x720 (720p)                                                      |
| Maximum frame rate     | 60 fps                                                               |
| Compatibility          |                                                                      |
| Interface              | VGA (D-Sub)                                                          |
| Wifi                   | No                                                                   |
| Housing                |                                                                      |
| Housing material       | Composite/ plastic housing                                           |
| Magnification lock     | Yes                                                                  |
| Dimensions             | 10.5cm (L) x 3.2cm (D)                                               |
| Weight                 | 105g                                                                 |
| Cable length           | 0.6m                                                                 |
| Features               |                                                                      |
| Special feature        | No                                                                   |
| Measurement            | No                                                                   |
| Calibration            | No                                                                   |
| Microtouch sensor      | Yes                                                                  |
| ESD safe               | No                                                                   |
| Information            |                                                                      |
| 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