

# AM5218MZTL Edge

**Brand:**

**Product Code:** AM5218MZTL Edge



## Short Description

Direct DVI connection

Robust metal housing

20-90x magnification

Long working distance

Polarizer (anti-reflection)

High 720p HD resolution

## Description

The Dino-Lite AM5218MZTL Edge can be connected directly to a HDTV or a LCD monitor through a direct digital DVI/HDMI interface. It offers sharp and vibrant HD 720p resolution to display even the smallest details.



DVI  
connector



High speed



Adjustable  
~10x - 140x



Exchangeable  
cap



HD  
720 p



8 White LEDs  
switchable



Metal  
housing

Magnification  
lock



Long working  
distance



Polarizer  
anti-reflection

Together with the long working distance of up to 15 centimetres the AM5218MZTL Edge 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 aluminium housing offers enhanced protection and durability and has the best look and feel. The built-in adjustable polarizer reduces glare and reflection on shiny objects, such as metal surfaces, electronics, plastics etc.

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

| MAGNIFICATION RATE | WORKING DISTANCE | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|--------------------|------------------|------------------|------------------|----------------|
| 10                 | 234.5            | 39               | 23.4             | 12             |
| 20                 | 112.5            | 19.5             | 11.7             | 4.5            |
| 30                 | 72.5             | 13               | 7.8              | 3.1            |
| 40                 | 54.5             | 9.8              | 5.9              | 1.8            |
| 50                 | 43.5             | 7.8              | 4.7              | 1.2            |
| 60                 | 37.5             | 6.5              | 3.9              | 0.9            |
| 70                 | 33.7             | 5.6              | 3.4              | 0.6            |
| 80                 | 31.3             | 4.9              | 3                | 0.5            |
| 90                 | 29.9             | 4.3              | 2.6              | 0.37           |
| 100                | 29.2             | 3.9              | 2.3              | 0.28           |
| 110                | 29.1             | 3.5              | 2.1              | 0.22           |
| 120                | 29.3             | 3.3              | 2                | 0.17           |
| 130                | 29.8             | 3                | 1.8              | 0.12           |
| 140                | 30.5             | 2.8              | 1.7              | 0.09           |

Listed values  
may differ  
slightly

Unit = mm

#### Specification

|                        |                                                                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lighting               |                                                                                                                                                                                              |
| Light/ LED type        | White                                                                                                                                                                                        |
| Number of LEDs         | 8                                                                                                                                                                                            |
| LED on/off switchable: | Yes                                                                                                                                                                                          |
| Infrared filter        | IR cut-filter >650 nm                                                                                                                                                                        |
| 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             | HD 720p                                                                                                                                                                                      |
| Maximum frame rate     | 60 fps                                                                                                                                                                                       |
| Compatibility          |                                                                                                                                                                                              |
| Interface              | DVI & HDMI                                                                                                                                                                                   |
| Wifi                   | No                                                                                                                                                                                           |
| Housing                |                                                                                                                                                                                              |
| Housing material       | Metal housing                                                                                                                                                                                |
| Magnification lock     | Yes                                                                                                                                                                                          |
| Dimensions             | 10.5cm (L) x 3.2cm (D)                                                                                                                                                                       |
| Weight                 | 125g                                                                                                                                                                                         |
| Cable length           | 1.8m                                                                                                                                                                                         |
| Features               |                                                                                                                                                                                              |
| Special feature        | No                                                                                                                                                                                           |
| Measurement            | No                                                                                                                                                                                           |
| Calibration            | No                                                                                                                                                                                           |
| Microtouch sensor      | Yes                                                                                                                                                                                          |
| ESD safe               | Yes                                                                                                                                                                                          |
| Information            |                                                                                                                                                                                              |
| Package contents       | Microscope, carry pouch, DVI & HDMI cable, power adapter, user manual, N3C-O- Open cap, N3C-C- Closed cap, N3C-D- Diffuser cap, N3C-E- Extension cap, N3C-L- Long cap, N3C-S- Side light cap |
| Warranty information   | 2 years European warranty                                                                                                                                                                    |
| Regulatory approval    | CE, FCC, ROHS                                                                                                                                                                                |
| Price range            | €900,00 - €1100,00                                                                                                                                                                           |

## Product Gallery

