

# AM4113ZTL



**Brand:**  
**Product Code:** AM4113ZTL

## Short Description

1.3 Megapixel resolution  
With magnification lock  
10x ~ 90x Magnification and Long working distance  
Polarizer (anti-reflection)

## Description

By using a special polarization filter, the AM4113ZTL is the right choice when working with high glare materials such as plastics and metals. This model also has a long working distance.



USB 2.0



Measurement  
functionality



CONTINUOUS  
~20x-90x



1,3 Megapixels  
1280 x 1024



8 White LEDs  
switchable



Magnification  
lock



Long working  
distance



Polarizer  
anti-reflection

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**Working distance/field of view/depth of field**

| MAGNIFICATION RATE                | WORKING DISTANCE | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|-----------------------------------|------------------|------------------|------------------|----------------|
| 20                                | 151.0            | 19.6             | 15.6             |                |
| 30                                | 101.0            | 13.0             | 10.4             | 3.4            |
| 40                                | 77.2             | 9.8              | 7.8              | 2.2            |
| 50                                | 64.1             | 7.8              | 6.3              | 1.65           |
| 60                                | 56.2             | 6.5              | 5.2              | .              |
| 70                                | 51.3             | 5.6              | 4.5              | .              |
| 80                                | 48.3             | 4.9              | 3.9              | .              |
| 90                                | 46.6             | 4.3              | 3.5              | 0.8            |
| Listed values may differ slightly |                  |                  |                  | Unit = mm      |

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## 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                     | 10x ~ 90x                                                             |
| Macro zoom                        | No                                                                    |
| Working distance                  | Long                                                                  |
| 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           | JPEG, PNG                                                             |

|                                 |                                                                                             |
|---------------------------------|---------------------------------------------------------------------------------------------|
| (MacOS)                         |                                                                                             |
| Supported video formats (MacOS) | MOV                                                                                         |
| Imaging standards               | DirectShow, UVC                                                                             |
| Wifi                            | Wireless-ready, requires the WF-10 WiFi streamer (optional)                                 |
| <b>Housing</b>                  |                                                                                             |
| Housing material                | Composite/ plastic housing                                                                  |
| Magnification lock              | Yes                                                                                         |
| Dimensions                      | 10.5cm (L) x 3.2cm (D)                                                                      |
| Weight                          | 105g                                                                                        |
| Cable length                    | 1.8m                                                                                        |
| <b>Features</b>                 |                                                                                             |
| Special feature                 | No                                                                                          |
| Measurement                     | Yes                                                                                         |
| Calibration                     | Yes                                                                                         |
| Microtouch sensor               | Yes                                                                                         |
| ESD safe                        | No                                                                                          |
| <b>Information</b>              |                                                                                             |
| Package contents                | Microscope, carry pouch, software CD, calibration target, ZT-Z-CC1 cap closure, user manual |
| Warranty information            | 2 years European warranty                                                                   |
| Regulatory approval             | CE, FCC, ROHS                                                                               |
| Price range                     | €400,00 - €600,00                                                                           |