

AM4113TL



Brand:
Product Code: AM4113TL

Short Description

1.3 Megapixel resolution
With magnification lock
10x ~ 90x magnification
Long working distance

Description

The AM4113TL is a special model with long working distance up to 15 cm at 20x magnification and around 4cm at 90x magnification. The extra working distance makes the TL series an ideal solution for tasks where you need more working distance to the object, for example repair, rework or assembly tasks.



USB 2.0



Measurement
functionality



Continuous
~10-90x



Magnification
lock



1,3 Megapixels
1280 x 1024



8 White LEDs
switchable



Long working
distance

Working distance/field of view/depth of field

| MAGNIFICATION | 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 |

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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 |
| Diffuser available | No |
| Emission filter | No |
| Polarizer | No |
| 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 (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 |
| Magnification lock | Yes |
| Dimensions | 10.5cm (L) x 3.2cm (D) |
| Weight | 105g |
| Features | |
| Special feature | No |
| Measurement | Yes |
| Calibration | Yes |
| Microtouch sensor | Yes |
| ESD safe | No |
| Information | |
| Package contents | Microscope, carry pouch, software CD, calibration target, user manual |
| Warranty information | 2 years European warranty |
| Regulatory approval | CE, FCC, ROHS |
| Price range | €350,00 - €500,00 |