

AM4517MZTL EDGE^{PLUS}

Brand: Dino-Lite
Product Code: AM4517MZTL EDGE PLUS

Short Description

1.3 Megapixel EDGE^{PLUS} sensor
 USB 2.0, maximum 30fps
 10-140x Magnification
 Long working distance
 Polarizer
 Flexible LED Control (FLC)
 Automatic Magnification Reading (AMR)
 Robust metal housing

Description

The Dino-Lite AM4517MZTL is part of the EDGE^{PLUS} series, a special category within the Long Working Distance (LWD) range. It offers a magnification range of 10-140x with 1.3MP and a USB 2.0 connection at 30fps. It offers superb image quality, clarity and color reproduction in a robust, compact and appealing metal housing.



The AMR function automatically detects and displays the magnification of the Dino-Lite. The magnification is displayed within the Dino-Lite software and stored with the

captured picture and simplifies the measuring process. Because of the built-in polarization filter this model is ideal when working with shiny or reflective objects such as metal, plastic, glass, jewelry, electronics, etc.

The main features of the AM4517MZTL are:

- 1.3 Megapixel EDGE^{PLUS} sensor
- Automatic Magnification Reading (AMR)
- Flexible LED Control (FLC)
- 10-140x magnification
- Long working distance
- Adjustable polarizer
- 30fps
- Metal housing
- And more...

Working distance/field of view/depth of field

| MAGNIFICATION RATE | WORKING DISTANCE* | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|---------------------------|--------------------------|-------------------------|-------------------------|-----------------------|
| 10 | 237.6 | 39.1 | 29 | 24.61 |
| 20 | 115.0 | 19.5 | 14.7 | 6.68 |
| 30 | 75.4 | 13.0 | 9.8 | 3.21 |
| 40 | 56.7 | 9.8 | 7.3 | 1.94 |
| 50 | 46.4 | 7.8 | 5.9 | 1.33 |
| 60 | 40.1 | 6.5 | 4.9 | 0.98 |
| 70 | 36.3 | 5.6 | 4.2 | 0.76 |
| 80 | 34.0 | 4.9 | 3.7 | 0.62 |
| 90 | 32.6 | 4.3 | 3.3 | 0.51 |
| 100 | 31.9 | 3.9 | 2.9 | 0.44 |
| 110 | 31.7 | 3.6 | 2.7 | 0.38 |
| 120 | 31.9 | 3.3 | 2.4 | 0.33 |
| 130 | 32.4 | 3.0 | 2.3 | 0.3 |
| 140 | 33.2 | 2.8 | 2.1 | 0.27 |

Listed values may differ slightly *Without front cap 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 | Yes (N3C-D included) |
| Emission filter | No |
| Polarizer | Yes, linear |
| Optics | |
| Magnification | 10-140x |
| 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 11.1 and up |
| Included 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 (max 1.3MP) |
| 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 | Metal housing |
| Magnification lock | Yes |
| Dimensions | 10.5cm (L) x 3.3cm (D) |
| Weight | 130g |
| Cable length | 1.5m |
| Features | |
| Special feature | Flexible LED Control (FLC) & Automatic Magnification Reading (AMR) |
| Measurement | Yes |

| | |
|----------------------|--|
| Calibration | Yes |
| Microtouch sensor | Yes |
| ESD safe | Yes |
| Information | |
| Package contents | Microscope, carry pouch, software CD, user manual, quick guide, calibration target, front cover box with 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

