

AF7515MZT

Brand:

Product Code: Af7515MZT - EDGE



Short Description

High Optical Resolution

5.0 Megapixel

Flexible LED Control (FLC)

Adjustable Polarizer

Automatic Magnification Reading (AMR)

Adaptable Interface

Robust Metal Housing

Description

With the use of the latest, cutting-edge optics, a brand new 5 megapixel sensor and several special features such as flexible LED control (FLC), Automatic Magnification Reading (AMR) and full aluminum body, the Dino-Lite AF7515MZT is a marvel of technology and the best choice for the high-demanding professional. The Dino-Lite AF7515MZT offers superb image quality and color reproduction in a robust, compact and appealing housing.



USB 2.0



Automatic
Magnification
Reading (AMR)



Adjustable
~10-220x



The AF7515MZT is part of the universal range and with its standard working distance and wide magnification range from 10 – 220x, it is suitable for a wide range of applications. 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 AMR function is of particular importance when the measurement functions are frequently used.

The main features of the AF7515MZT are:

- 5 Megapixel Edge sensor
- 10-220x magnification
- Integrated polarizer
- Aluminum housing
- Automatic Magnification Reading (AMR)
- Flexible LED Control (FLC)
- Extensive measurement functions
- Calibration
- Exchangeable front caps
- Wireless Ready
- And more...

Optical Data Table

| MAGNIFICATION RATE | WORKING DISTANCE | FIELD OF VIEW(X) * Without front cap | FIELD OF VIEW(Y) | DEPTH OF FIELD Unit = mm |
|--------------------|------------------|---|------------------|-----------------------------|
| 10 | 142.6 | 39.6 | 29.7 | 26.0 |
| 20 | 60.1 | 19.8 | 14.8 | 7.0 |
| 30 | 33.6 | 13.2 | 9.9 | 3.3 |

Listed values may differ slightly

| | | | | |
|-----|------|-----|-----|-----|
| 40 | 21.0 | 9.9 | 7.4 | 2.0 |
| 50 | 14.0 | 7.9 | 5.9 | 1.4 |
| 60 | 9.8 | 6.6 | 4.9 | 1.0 |
| 70 | 7.3 | 5.7 | 4.2 | 0.8 |
| 80 | 5.7 | 4.9 | 3.7 | 0.6 |
| 90 | 4.8 | 4.4 | 3.3 | 0.5 |
| 100 | 4.3 | 4.0 | 3.0 | 0.4 |
| 110 | 4.2 | 3.6 | 2.7 | 0.4 |
| 120 | 4.3 | 3.3 | 2.5 | 0.3 |
| 130 | 4.7 | 3.0 | 2.3 | 0.3 |
| 140 | 5.2 | 2.8 | 2.1 | 0.3 |
| 150 | 5.8 | 2.6 | 2.0 | 0.3 |
| 160 | 6.5 | 2.5 | 1.9 | 0.2 |
| 170 | 7.3 | 2.3 | 1.8 | 0.2 |
| 180 | 8.1 | 2.2 | 1.6 | 0.2 |
| 190 | 9.1 | 2.1 | 1.6 | 0.2 |
| 200 | 10.0 | 2.0 | 1.5 | 0.2 |
| 210 | 11.0 | 1.9 | 1.4 | 0.2 |
| 220 | 12.1 | 1.8 | 1.3 | 0.2 |

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 ~ 220x |
| Macro zoom | No |
| Working distance | Standard |
| Lens type | Glass with anti-reflection coating |
| Sensor | |
| Sensor type | CMOS |
| Resolution | 5 Megapixel (2592x1944) |
| 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), DinoXscope (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 (max 1.3MP) |
| Imaging standards | DirectShow, UVC |
| Wifi | Wireless-ready, requires the WF-20 (optional) |
| Housing | |
| Housing material | Metal housing |
| Dimensions | 11.5cm (L) x 3.4cm (D) |
| Weight | 97g |
| Cable length | 1.8m |
| Features | |
| Special feature | Automatic Magnification Reading (AMR), Flexible LED Control (FLC). |
| Measurement | Yes |
| Calibration | Yes |
| Microtouch sensor | Yes |
| ESD safe | Yes |
| Information | |
| Package contents | Microscope, carry pouch, software CD, calibration target, 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 | €1000,00 - €1200,00 |