

AF7515MZTL



Marca:

Código del producto: AF7515MZTL

Short Description

High Optical Resolution

5-Megapixels

Long Working Distance (LWD) Optics

Flexible LED Control (FLC)

Adjustable Polarizer

Descripción

The 5-megapixel AF7515MZTL digital microscope provides a long working distance solution for capturing high-resolution images. Equipped with AMR and FLC, AF7515MZTL is a powerful tool for facilitating measurements and obtaining high-quality images. This model is compatible with the WF-20 Wi-Fi streamer.



USB 2.0



Flexible LED
Control FLC



Continuous
~10x - 140x



Measurement
functionality



Metal
housing



5 megapixel
2592 x 1944



Automatic
Magnification
Reading (AMR)

Long working
distance



Magnification
lock

Exchangeable
cap



Polarizer
anti-reflection



Wireless
Ready

The AF7515MZTL is part of the Long Working Distance (LWD) range and with its Long Working Distance and magnification range from 10 – 140x, it is suitable for a wide range of applications where extra distance to the object or a larger field of view is required.

The extra working distance and larger field of view make this model an ideal solution for tasks such as repair, rework or assembly or for working with bulky or fragile objects that cannot be touched. 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 AF7515MZTL are:

- 5 Megapixel Edge sensor
- Long Working Distance (LWD)
- 10-140x 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) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|--|----------------------------|------------------|------------------|------------------|
| Listed values may differ slightly | * Without front cap | | | Unit = mm |
| 10 | 237.5 | 39.6 | 29.7 | 25.8 |

| | | | | |
|-----|-------|------|------|-----|
| 20 | 115.3 | 19.8 | 14.8 | 6.9 |
| 30 | 75.9 | 13.2 | 9.9 | 3.3 |
| 40 | 57.3 | 9.9 | 7.4 | 2.2 |
| 50 | 47.0 | 7.9 | 5.9 | 1.6 |
| 60 | 40.8 | 6.6 | 4.9 | 1.2 |
| 70 | 36.9 | 5.7 | 4.2 | 1.0 |
| 80 | 34.6 | 4.9 | 3.7 | 0.8 |
| 90 | 33.2 | 4.4 | 3.3 | 0.7 |
| 100 | 32.6 | 4.0 | 3.0 | 0.6 |
| 110 | 32.4 | 3.6 | 2.7 | 0.5 |
| 120 | 32.6 | 3.3 | 2.5 | 0.5 |
| 130 | 33.1 | 3.0 | 2.3 | 0.4 |
| 140 | 33.8 | 2.8 | 2.1 | 0.4 |

Especificación

| 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 ~ 140x |
| Macro zoom | No |
| Working distance | Long |
| Lens type | Glass with anti-reflection coating |
| Sensor | |
| Sensor type | CMOS |
| Resolution | 5.0 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), 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 (max 1.3MP) |
| Imaging standards | DirectShow, UVC |
| Wifi | Wireless-ready, requires the WF- 20 (optional) |
| Housing | |
| Housing material | Metal housing |
| Magnification lock | Yes |
| Dimensions | 11.5cm (L) x 3.4cm (D) |
| Weight | 97gr |
| 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 |