

AF7115MZT

Brand: Dino-Lite
Product Code: AF7115MZT



Short Description

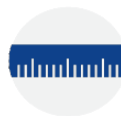
High Optical Resolution
5.0 Megapixel
Flexible LED Control (FLC)
Adjustable Polarizer
Adaptable Interface
Robust Metal Housing

Description

AF7115MZT is a 5-megapixel digital microscope offering high-resolution imaging with a 20x ~ 220x magnification. This model has Flexible LED Control (FLC) for maximizing lighting adjustability and a polarizer for reducing unwanted reflections. AF7115MZT is compatible with WF-20, a Wi-Fi streamer.



USB 2.0



Measurement
functionality



Adjustable
~20x-220x



Magnification
lock



Metal
housing



5 megapixel
2592 x 1944



The AF7115MZT is part of the universal range and with its standard working distance and wide magnification range from 20 – 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 main features of the AF7115MZT are:

- 5 Megapixel Edge sensor
- 20-220x magnification
- Integrated polarizer
- Aluminum housing
- Flexible LED Control (FLC)
- Extensive measurement functions
- Calibration
- Exchangeable front caps
- Wireless ready
- And more...

Optical Data Table

| MAGNIFICATION RATE | WORKING DISTANCE 1 | FIELD OF VIEW(X) | FIELD OF VIEW(y) | DEPTH OF FIELD |
|--------------------|--------------------|------------------|------------------|----------------|
| 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 |
| 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 |
| 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 | 20-220x |
| 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), 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 (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 | 97gr |
| Cable length | 1.8m |
| Features | |
| Special feature | 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-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 |