

AM7115MTF



Brand: Dino-Lite

Product Code: AM7115MTF

Short Description

High optical resolution

5.0 Megapixels

Extra-long Working Distance (ELWD)

Metallic housing

Flexible LED Control (FLC)

Description

When abundant space between the target and the microscope is a must, use Dino-Lite 5MP AM7115MTF extra-long working distance digital microscope. AM7115MTF offers high resolution images and up to 70x magnification at a 108mm working distance.



USB 2.0



Measurement
functionality



Magnification
lock



Metal
housing



Continuous
~10x-70x



5 megapixel
2592 x 1944



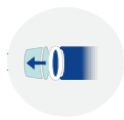
8 White LEDs
switchable



Standard working
distance



Flexible LED
Control FLC



The superior optics adopted in the Edge series reveals the finest details, answering the needs of the most demanding microscopy applications. Thanks to the low loss MJPEG compression, the advanced CMOS image sensor allows to transmit fluid and crisp image with resolution up to 2592x1944.

The main features of the AM7115MTF are:

- 5 Megapixel Edge sensor
- Aluminum housing
- Flexible LED Control (FLC)
- Extensive measurement functions
- Calibration
- Exchangeable front caps
- And more...

Working distance/field of view/depth of field

| MAGNIFICATION RATE | WORKING DISTANCE | FIELD OF VIEW(X) * Without front cap | FIELD OF VIEW(Y) | DEPTH OF FIELD Unit = mm |
|--------------------|------------------|---|------------------|-----------------------------|
| 10 | 503 | 39.1 | 31.3 | 31.49 |
| 20 | 271 | 19.5 | 15.6 | 8.67 |
| 30 | 196 | 13.0 | 10.4 | 4.20 |
| 40 | 159 | 9.8 | 7.8 | 2.56 |
| 50 | 135 | 7.8 | 6.3 | 1.76 |
| 60 | 120 | 6.5 | 5.2 | 1.31 |
| 70 | 108 | 5.6 | 4.5 | 1.03 |

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 | No |
| Optics | |
| Magnification | 10x-70x |
| 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-10 WiFi streamer (optional) |
| Housing | |
| Housing material | Metal housing |
| Dimensions | 10.5cm (L) x 3.2cm (D) |
| Weight | 125gr |
| 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 | €800,00 - €1000,00 |