

# AF7115MZTW

**Artikelnummer:** AF7115MZTW - Edge



## Short Description

High Optical Resolution

5.0 Megapixels

Flexible LED Control (FLC)

Adjustable Polarizer

Macro zoom optics

## Beschreibung

The 5MP Edge AM7115MZTW - Edge provides macro-level imaging with zoomin capabilities. This microscope includes a polarizer to reduce reflections and features FLC for adjustable illumination. AF7115MZTW is compatible with the optional WF-20 Wi-Fi streamer.



USB 2.0



Flexible LED  
Control FLC



Measurement  
functionality



Metal  
housing



5 megapixel  
2592 x 1944



8 White LEDs  
switchable



Magnification  
lock



Polarizer  
anti-reflection



Exchangeable  
cap

Adjustable  
~10-50x

## The main features of the AM7115MZTW - Edge are:

- 5 Megapixel sensor
- Macro zoom optics
- Adjustable polarizer
- Robust Metal housing
- Flexible LED Control (FLC)
- High Optical Resolution
- Adaptable Interface
- 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 |
|-----------------------------------|-------------------|---------------------|------------------|----------------|
| Listed values may differ slightly |                   | * Without front cap |                  | Unit = mm      |
| T Zone                            |                   |                     |                  |                |
| 50                                | 23                | 8                   | 6                | 4              |
| 40                                | 43                | 10                  | 7                | 6              |
| 30                                | 43                | 13                  | 10               | 11             |
| 20                                | 128               | 20                  | 15               | 27             |
| 15                                | 183               | 26                  | 20               | 48             |

| 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      |
| W Zone                            |                   |                     |                  |                |
| 30                                | 19                | 13                  | 10               | 7              |
| 20                                | 33                | 20                  | 15               | 7              |
| 15                                | 47                | 26                  | 20               | 25             |
| 10                                | 76                | 40                  | 30               | 57             |
| 5                                 | 163               | 79                  | 59               | 297            |

## Spezifikation

|                                   |                                                                       |
|-----------------------------------|-----------------------------------------------------------------------|
| Lighting                          |                                                                       |
| Light/ LED type                   | White                                                                 |
| Number of LEDs                    | 8                                                                     |
| LED on/off switchable:            | Yes                                                                   |
| Diffuser available                | Yes (N3C-D included)                                                  |
| Emission filter                   | No                                                                    |
| Polarizer                         | Yes, linear                                                           |
| Optics                            |                                                                       |
| Magnification                     | 10x ~ 50x                                                             |
| Macro zoom                        | No                                                                    |
| Working distance                  | Standard                                                              |
| 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 10.14 and up                             |
| Software                          | DinoCapture 2.0 (Windows), DinoXcope (Mac OS)                         |
| Supported image formats (Windows) | BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM |
| 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 adapter (optional)                 |
| Housing                           |                                                                       |
| Housing material                  | Metal housing                                                         |
| Magnification lock                | Yes                                                                   |
| Dimensions                        | 15 mm (H) x 34 mm (D)                                                 |
| Weight                            | 97g                                                                   |
| 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-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