

# AM4115-FJT

**Brand:**

**Product Code:** AM4115-FJT



## Short Description

1.3 Megapixel resolution

~940nm IR LEDs

20-220x magnification

Versatility due to exchangeable caps

## Description

The AM4115-FJT has special lighting with LED's emitting IR light around the 940 nm spectrum.



USB 2.0



Measurement  
functionality



Adjustable  
~20x - 220x



Magnification  
lock



1.3 megapixel  
1280 x 1024



Infrared  
LEDs ~ 940nm



Long working  
distance

The Dino-Lite AM4115-FJT has special lighting with LED's emitting IR light around the 940 nm spectrum. The Dino-Lite Edge models provide superior image quality and a high level of flexibility due to the adaptable cap design.

» Also available with ~780nm or 850nm LEDs (model AM4115-FKT/FIT).

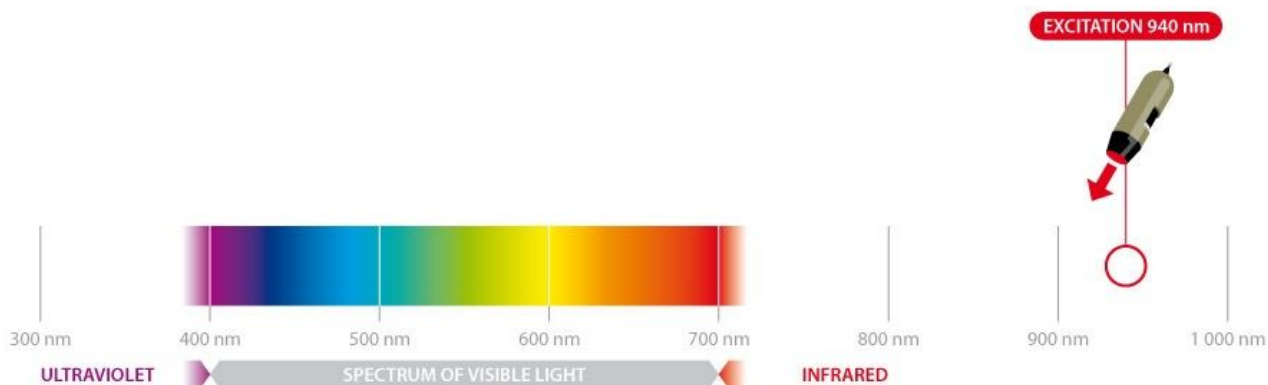
**Working distance/field of view/depth of field**

| MAGNIFICATION RATE | WORKING DISTANCE | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|--------------------|------------------|------------------|------------------|----------------|
|--------------------|------------------|------------------|------------------|----------------|

Listed values  
may differ  
slightly

|     |      |      |      |     |
|-----|------|------|------|-----|
| 20  | 60.2 | 19.5 | 15.6 | 2.5 |
| 30  | 33.5 | 13.0 | 10.4 | 1.8 |
| 40  | 20.9 | 9.8  | 7.8  | 1.5 |
| 50  | 13.9 | 7.8  | 6.3  | -   |
| 60  | 9.7  | 6.5  | 5.2  | -   |
| 70  | 7.1  | 5.6  | 4.5  | 1.0 |
| 80  | 5.5  | 4.9  | 3.9  | -   |
| 90  | 4.5  | 4.3  | 3.5  | -   |
| 100 | 4.1  | 3.9  | 3.1  | -   |
| 110 | 4.0  | 3.6  | 2.8  | -   |
| 120 | 4.1  | 3.3  | 2.6  | -   |
| 130 | 4.5  | 3.0  | 2.4  | -   |
| 140 | 5.0  | 2.8  | 2.2  | -   |
| 150 | 5.6  | 2.6  | 2.1  | -   |
| 160 | 6.3  | 2.4  | 2    | -   |
| 170 | 7.1  | 2.3  | 1.8  | -   |
| 180 | 8.0  | 2.2  | 1.7  | -   |
| 190 | 8.9  | 2.1  | 1.6  | -   |
| 200 | 9.9  | 2.0  | 1.6  | -   |
| 210 | 10.9 | 1.9  | 1.5  | -   |
| 220 | 11.9 | 1.8  | 1.4  | 0.1 |

**Special Light:**



## Specification

| Lighting                          |   |
|-----------------------------------|---|
| Light/ LED type                   | ~940 nm Infrared  |
| Number of LEDs                    | 8   |
| LED on/off switchable:            | Yes   |
| Infrared filter                   | IR pass filter  |
| Diffuser available                | No  |
| Emission filter                   | No  |
| Polarizer                         | No  |
| Optics                            |   |
| Magnification                     | 20x ~ 220x  |
| Macro zoom                        | No  |
| Working distance                  | Standard  |
| Lens type                         | Glass with anti-reflection coating                                    |
| Sensor                            |   |
| Sensor type                       | CMOS  |
| Resolution                        | 1.3 Megapixel (1280x1024)   |
| 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   |

|                      |   |
|----------------------|---|
| Imaging standards    | DirectShow, UVC   |
| Wifi                 | Wireless-ready, requires the WF-10 WiFi streamer (optional)           |
| Housing              |   |
| Housing material     | Composite/ plastic housing  |
| Magnification lock   | Yes   |
| Dimensions           | 10.5cm (L) x 3.2cm (D)  |
| Weight               | 100g  |
| Cable length         | 1.8m  |
| Features             |   |
| Special feature      | No  |
| Measurement          | Yes   |
| Calibration          | Yes   |
| Microtouch sensor    | Yes   |
| ESD safe             | No  |
| Information          |   |
| Package contents     | Microscope, carry pouch, software CD, calibration target, user manual |
| Warranty information | 2 years European warranty   |
| Regulatory approval  | CE, FCC, ROHS   |
| Price range          | €500,00 - €700,00   |