

AM4115-FIT

Brand: Dino-Lite
Product Code: AM4115-FIT



Short Description

1.3 Megapixel resolution

~850nm IR LEDs

20-220x magnification

Versatility due to exchangeable caps

Description

The AM4115-FIT has special lighting with LED's emitting IR light around the 850 nm spectrum.



USB 2.0



Measurement
functionality



Adjustable
~20x - 220x



Magnification
lock



1.3 megapixel
1280 x 1024



Infrared
LEDs ~ 850nm



Standard working
distance

The Dino-Lite AM4115-FIT has special lighting with LED's emitting UV light around the 850 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 940nm LEDs (model AM4115-FKT/FJT).

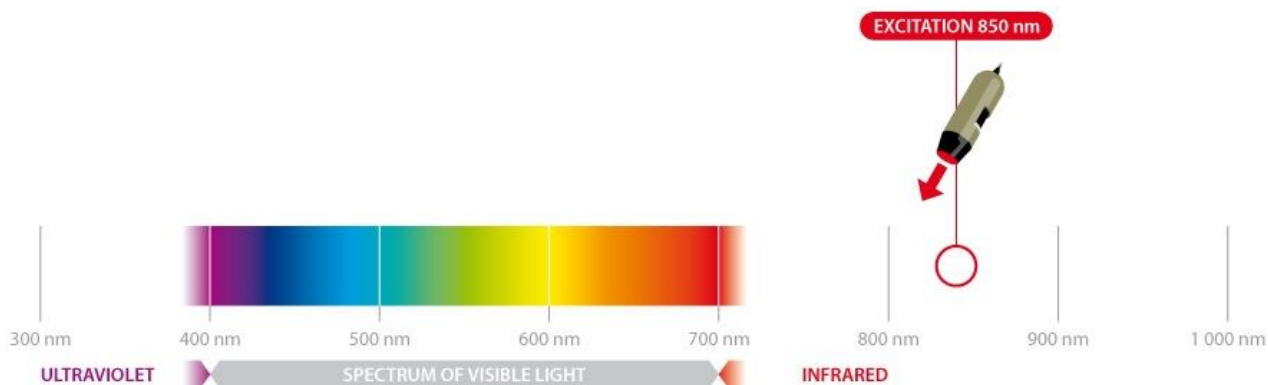
Working distance/field of view/depth of field

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

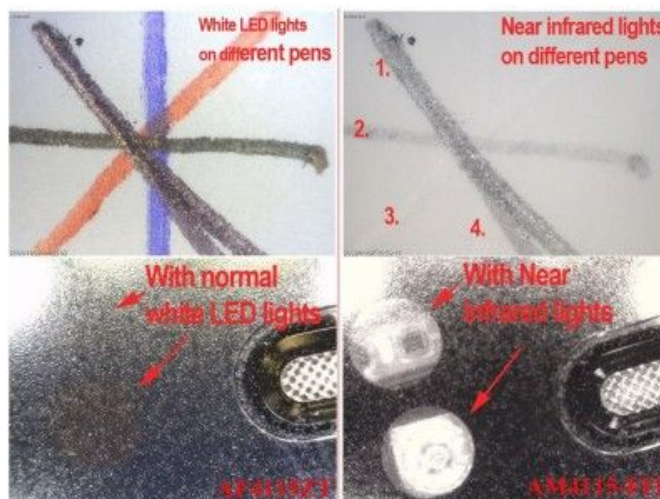
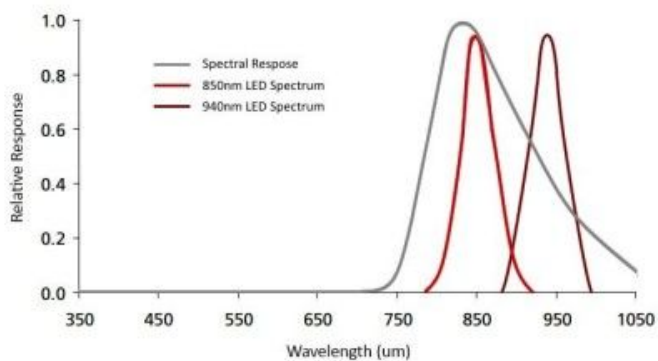


Specification

Lighting	
Light/ LED type	~850 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	20-220x
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	105g
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

Product Gallery





AF4115ZT
w/o IR



AM4115-FIT or FJT
with IR 850nm or 940nm

