

FLUORESCENCE MODELS

AM4115T-DFRW Dino-Lite Premier



Dino-Lite Premier AM4115T-DFRW mikroskop digital adalah mikroskop portabel genggam unik yang memanfaatkan intensitas tinggi LED kuning untuk eksitasi sumber cahaya dengan filter emisi 620nm yang dirancang untuk pengamatan fluoresensi merah, terutama mCherry, visualisasi darah kecil atau pembuluh limfatik suatu organ dalam analisis microangiography. Kualitas gambar yang diperoleh dengan Dino-Lite sebanding atau lebih unggul beberapa mikroskop fluoresensi tradisional. Hal ini dilengkapi dengan sensor 1,3 megapixel dan menggunakan perbesaran panggilan diputar dengan kisaran 20x - 50x , 220x tergantung jarak bekerja, fitur kunci gulir untuk menjamin jarak tertentu yang diinginkan pembesaran/fokus, dan bantuan kabel regangan (SR) yang memegang Dino-Lite dan kabel USB bersama-sama untuk ketahanan dari tarikan dan tikungan. Ada juga cahaya switchable putih dengan perangkat lunak yang disertakan untuk membantu dalam fokus dan lokasi . Dino - Lite Premier AM4115T-DFRW memberikan harga yang berharga per alat kinerja bagi para peneliti atau pengguna tertarik mengamati spesimen Fluoresce merah .

Dino-Lite Premier AM4115T-DFRW menawarkan Anda salah satu dari mikroskop fluoresensi terkecil di dunia untuk mengamati fluoresensi merah seperti RFP. Itu membuat penelitian tidak lagi menjadi besar, berat , mahal seperti dengan mikroskop fluoresensi tradisional . Hanya mengubah cara Anda menggunakan mikroskop fluoresensi dengan faktor bentuk yang kecil dan sensitivitas tinggi terhadap cahaya rendah .

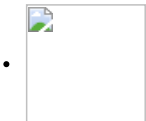
Pertanyaan **contact support (Klik)**

Optional :

Basic Stand

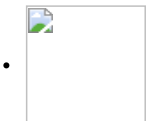
Profesional Stand

Overview



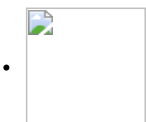
THE SMALLEST MICROSCOPE FOR OBSERVING RED FLUORESCENCE

Packed into Dino-Lite form factor, the AM4115T-DFRW utilizes filtered yellow LEDs for excitation light source with 610nm emission filter for observing red fluorescence. It is beneficial for applications such as protein expression studies with mCherry. It also includes a white LED for non-excitation lighting to assist in locating points of interest.



CONVENIENT FLEXIBLE MAGNIFICATION

The Dino-Lite is capable of variable magnification with a range of 20x-50, 220x depending of working distance by simply zooming in or out with just a rotating dial.



USB 2.0 INTERFACE

It only requires USB 2.0 to power the device so it can be connected or travel with a compatible PC/ MAC for analysis and documentation with its bundled software.



HIGH SENSITIVITY TO RED FLUORESCENCE

The Dino-Lite uses a high sensitivity 1.3 megapixel sensor combined with a specially designed lens to capture faint red fluorescent signals with results comparable to some traditional microscope capabilities.

Gallery

Zebra fish heart with mCherry at 200x

Zebra fish heart beat with mCherry at 200x using the Dino-Lite Premier AM4115T-DFRW.

It utilizes filtered 575nm yellow LEDs for excitation light source with 620nm emission filter for observing red fluorescence.

A collection of samples taken by various Dino-Lite fluorescence models

Visualize there capabilities with samples of zebra fish, plants, and skin.

SPECIFICATIONS

ESD Safe	No
Measurement functionality	Yes
Housing	Regular
Cap Changeable	No
Polarizer	No
Number of LEDs	7/1
Working distance	Standart
Magnification	200x
Resolution	1.3 MP (1280 x 1024)
Connection	USB 2.0
Spesial feature	No

ADDITIONAL INFO

Specifications

Model	AM4115T-DFRW Dino-Lite Premier
Interface	USB 2.0
Product Resolution	1.3M pixels (SXGA)
Magnification Rate	20x~50x, 220x
Sensor	Color CMOS
Frame Rate	Up to 30fps
	Image:
	DinoCapture2.0: BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM
	DinoXscope: PNG, JPEG

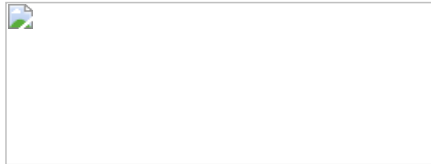
Save Formats

Movie:
DinoCapture2.0: WMV, FLV, SWF
DinoXscope: MOV

Microtouch	Touch sensitive trigger on the microscope for taking pictures
Lighting	7 filtered yellow LEDs for excitation lighting with 610nm emission filter and 1 white LED switched by software.
Measurement Function	Yes
Calibration Function	Yes
Operating System Supported	Windows 10, 8, 7, Vista, XP MAC OS 10.4 or later
Unit Weight	105(g)

Unit Dimension

10.5cm (H) x 3.2cm (D)



Package Dimensions

16cm (L) x 16cm (W) x 6cm (H)

Information about working distance and field of view

M	WD	FOV (x)	FOV (y)	DOF
20	60.2	19.5	15.6	1.52
30	33.5	13	10.4	
40	20.9	9.8	7.8	
50	13.9	7.8	6.3	0.3
60	9.7	6.5	5.2	
70	7.1	5.6	4.5	
80	5.5	4.9	3.9	
90	4.5	4.3	3.5	
100	4.1	3.9	3.1	
110	4	3.6	2.8	
120	4.1	3.3	2.6	
130	4.5	3	2.4	
140	5	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	2.2	1.7	
190	8.9	2.1	1.6	
200	9.9	2	1.6	0.04


210	10.9	1.9	1.5
220	11.9	1.8	1.4

M = magnification rate

WD = working distance

FOV = field of view

Unit = mm

 AM Series Variable Magnification Optics