

AM4115TW-CFVW



The AM4115TW-GFBW Dino-Lite Edge series digital microscope features superior optics, a macro zoom design, and 480nm (blue) excitation light with a 510nm emission filter for observing green fluorescence in life-size objects, such as biological samples (e.g. mice, leaves, zebra fish).

Overview



The world's smallest fluorescence microscope

The AM4115TW-CFVW cleverly integrates special 400nm LED excitation lights and a high-pass type emission filter that cuts off at 430nm into a Dino-Lite digital microscope. This makes it the smallest microscope capable of visualizing cyan and also a wide range of fluorescence for applications such as in: developmental biology, pathology, and anatomy. It also packs a white LED for non-excitation lighting to assist in locating points of interest.



High-resolution imaging

This Dino-Lite Edge series microscope maximizes observed details with state-of-the-art lens design for clearer, sharper images. This model supports high-resolution SXGA (1280x1024) image output for superior image quality.



PC/MAC Compatibility

Digitize the microscopy experience with easy recording and sharing of observations in the office or in the field with a compatible PC or MAC with USB 2.0 port. Conveniently capture and modify photos with the bundled software.

* The measurement and calibration features of this software are not suggested for use with this microscope model.



Macro view applications

With its large field-of-view (FOV) and depth-of-field (DOF), appropriate range of working distances, and 10x to 50x magnification range, this model is ideal for macro-view fluorescence applications.



Zoomable with long working distance

While maintaining the same working distance, further rotation of the magnification dial will focus onto a higher magnification range and thereby effectively zoom into the target.



MicroTouch shutter button

Take picture-perfect photos quickly and conveniently with the MicroTouch shutter button. This small, round, touch-sensitive button responds to the lightest touch to avoid blurry photos caused by excessive movement of the microscope. The MicroTouch shutter button can also be configured to control video recording, trigger barcode scanning, or switch on/off the LED lights.

Interchangeable Front Caps



N3C-OB / Open Cap

This is the standard cap for Fluorescence model usage.

Information about working distance and field of view

T Zone				
M	WD	FOV(x)	FOV (y)	DOF
50	17.5	9	7	3
40	37.5	11	9	4
30	67.5	15	12	6
20	127.5	23	19	
15	177.5	30	24	

W Zone				
M	WD	FOV (x)	FOV (y)	DOF
30	17.5	14	11	6
20	37.5	25	20	
15	47.5	31	25	
10	67.5	41	33	
51	77.5	98	78	

M = magnification rate WD = working distance (without front cap) FOV = field of view DOF = depth of field Unit = mm

Specification

Model : AM4115TW-CFVW Dino-Lite Edge

Interface : USB 2.0

Product Resolution : 1.3M pixels (SXGA)

Magnification Rate : 10x~50x

Sensor : Color CMOS

Frame Rate : Up to 30fps

-Save Formats:

+Image:

DinoCapture2.0: BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM

DinoXcope: PNG, JPEG

+Movie:

DinoCapture2.0: WMV, FLV, SWF

DinoXcope: MOV

Microtouch : Touch sensitive trigger on the microscope for taking pictures

Lighting : Using 7 violet LEDs for excitation lighting and has a 430nm emission filter/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 : 100g

Unit Dimension : 10.5 cm (H) x 3.2 cm (D)

Package Dimensions : 16cm (L) x 16cm (W) x 6cm (H)

